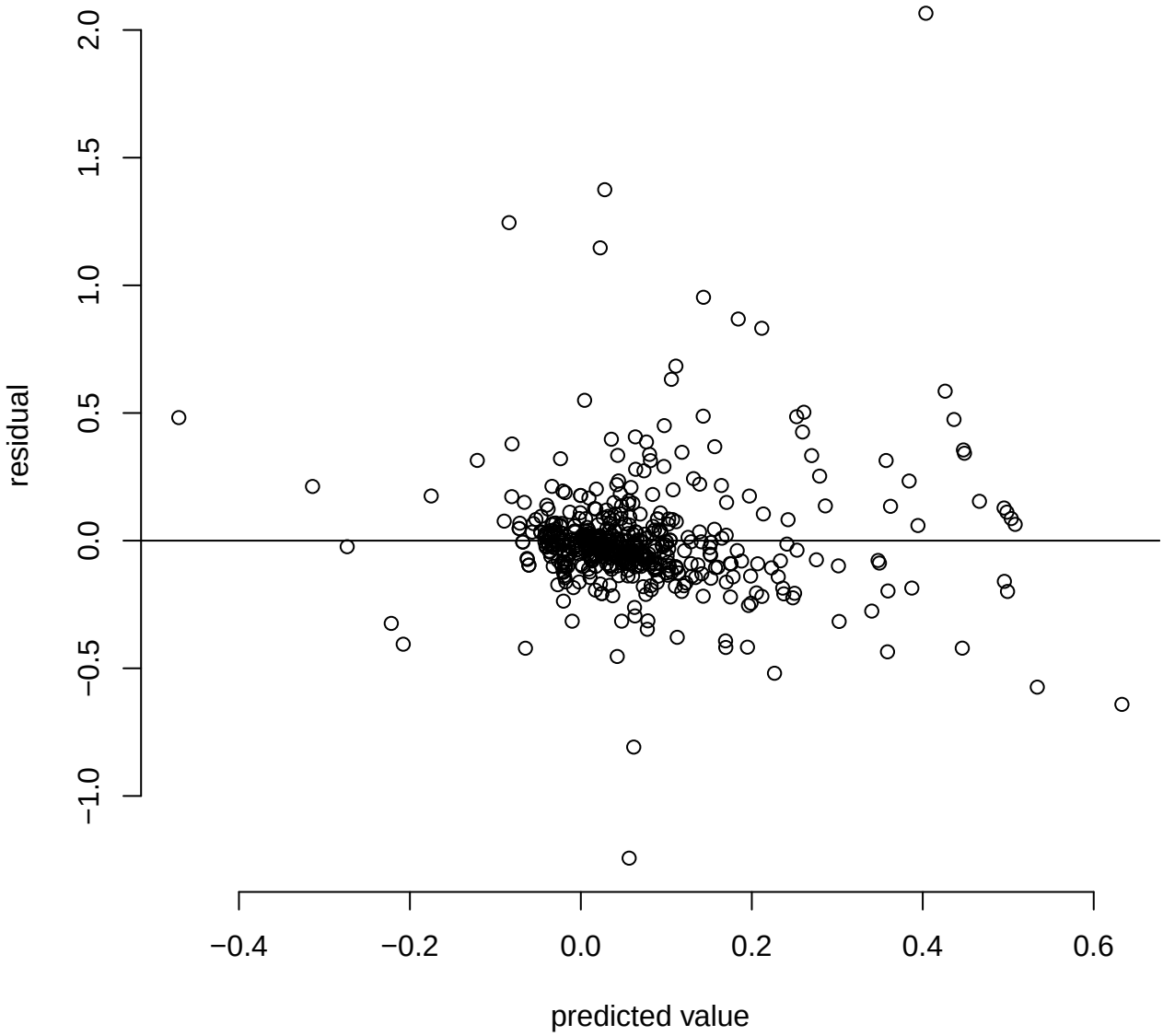
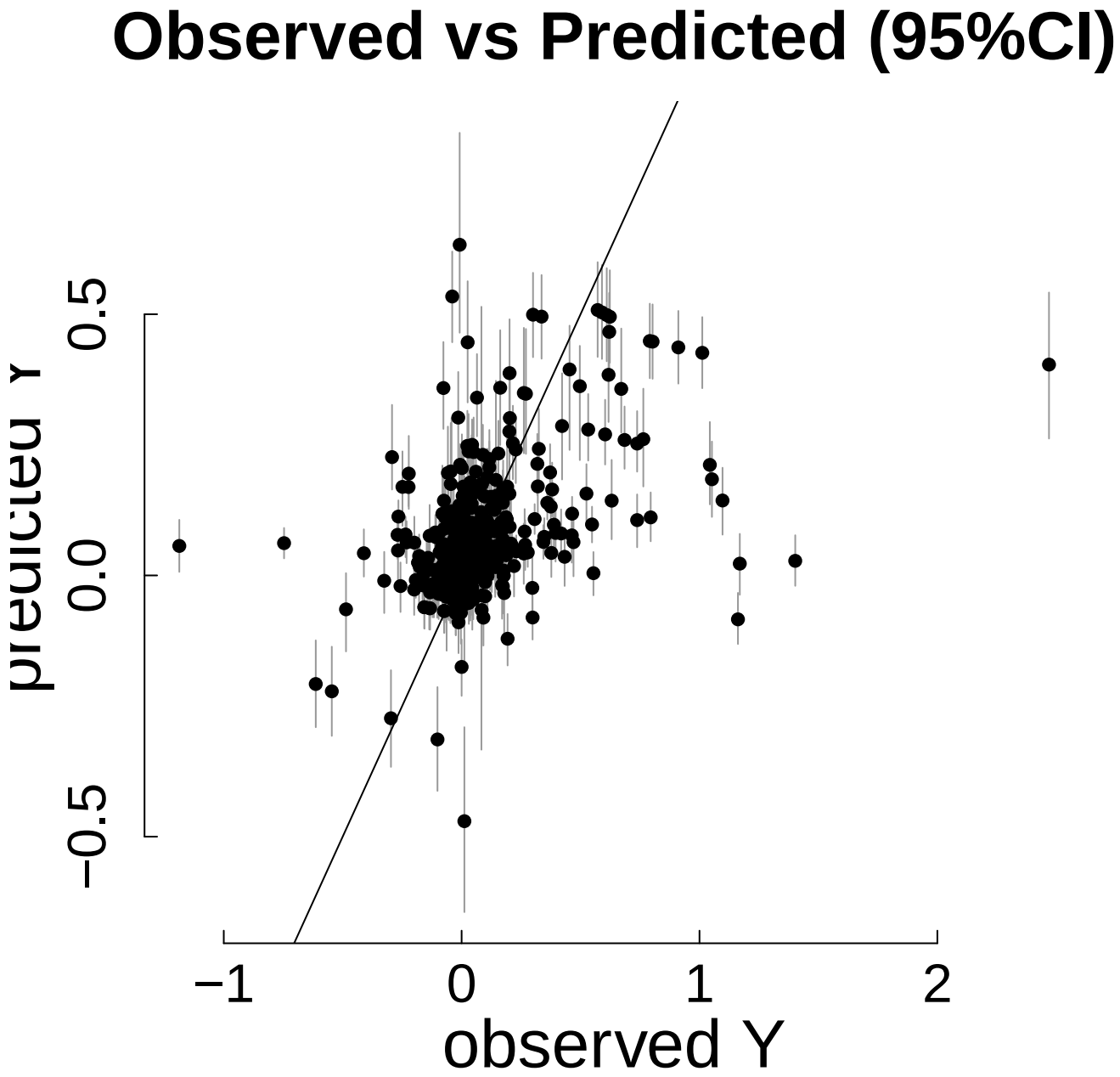
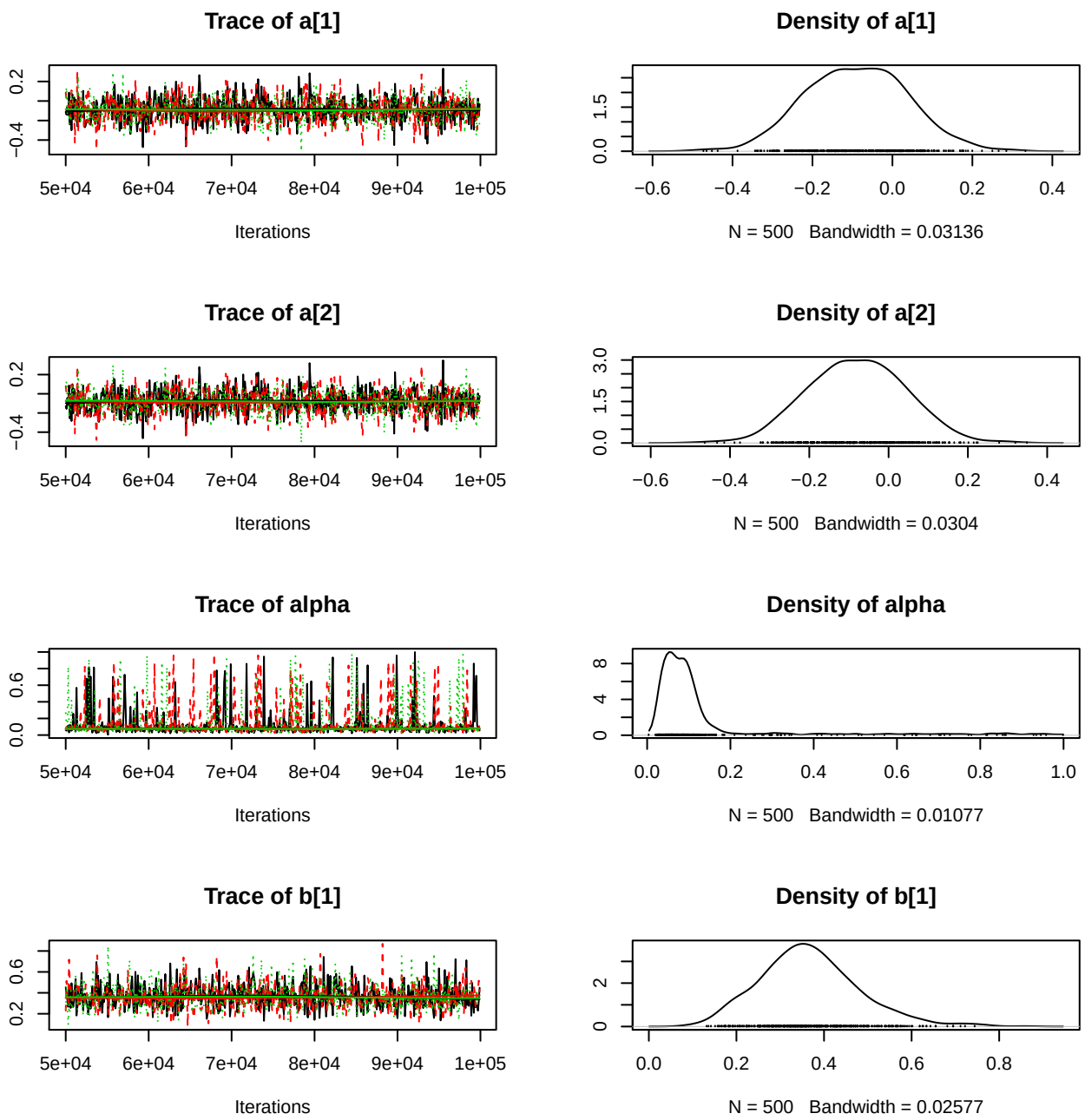
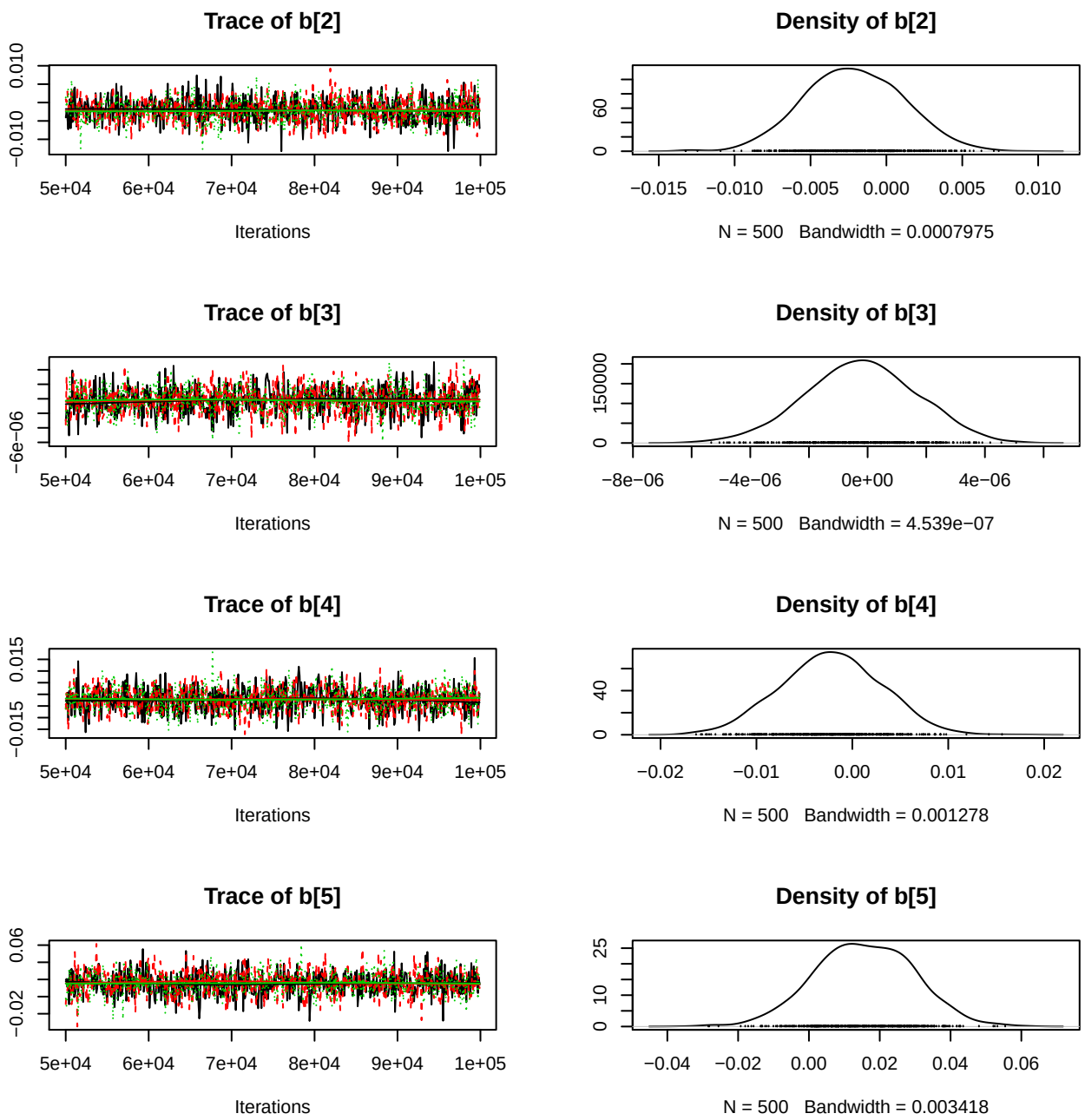
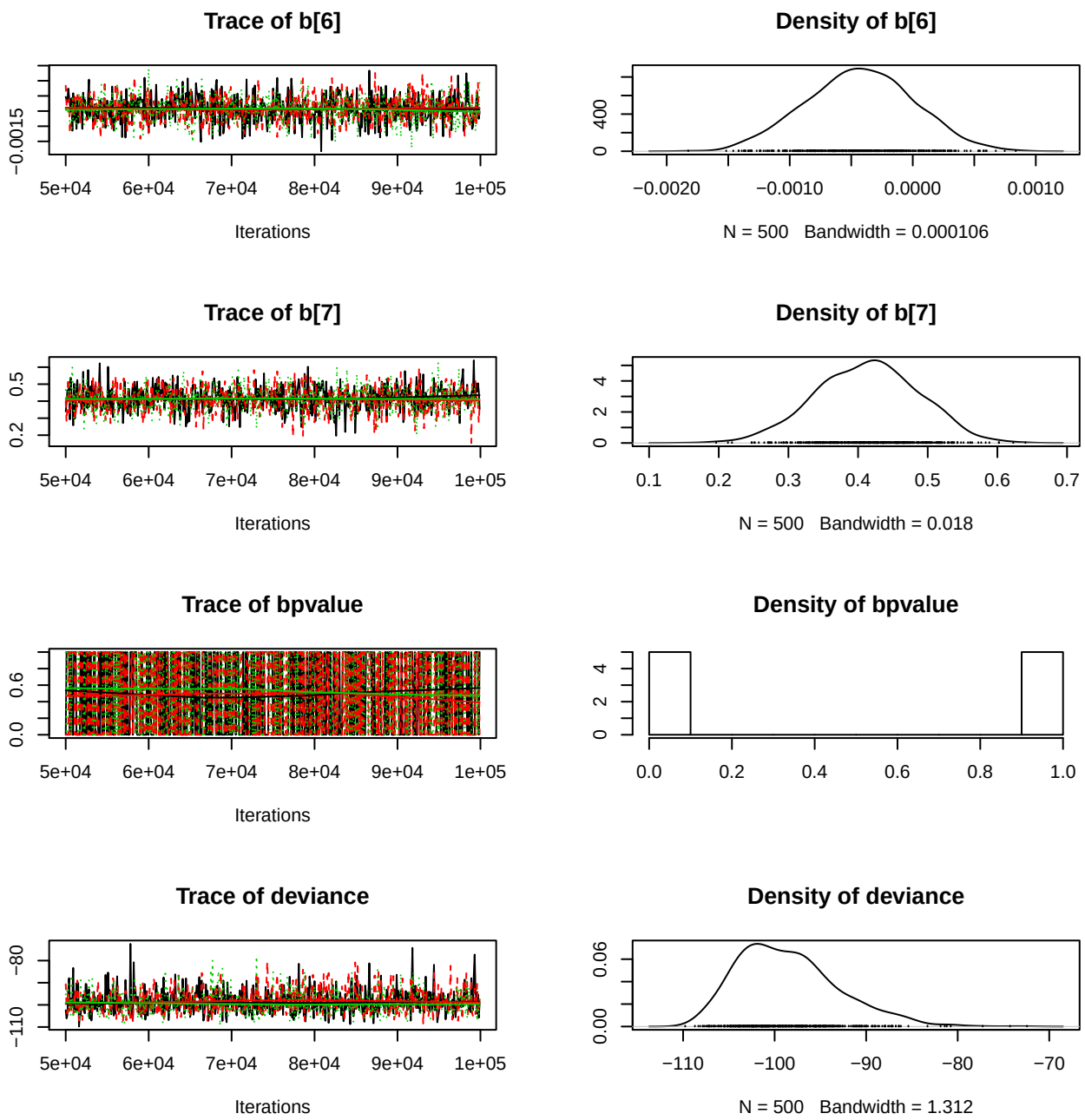
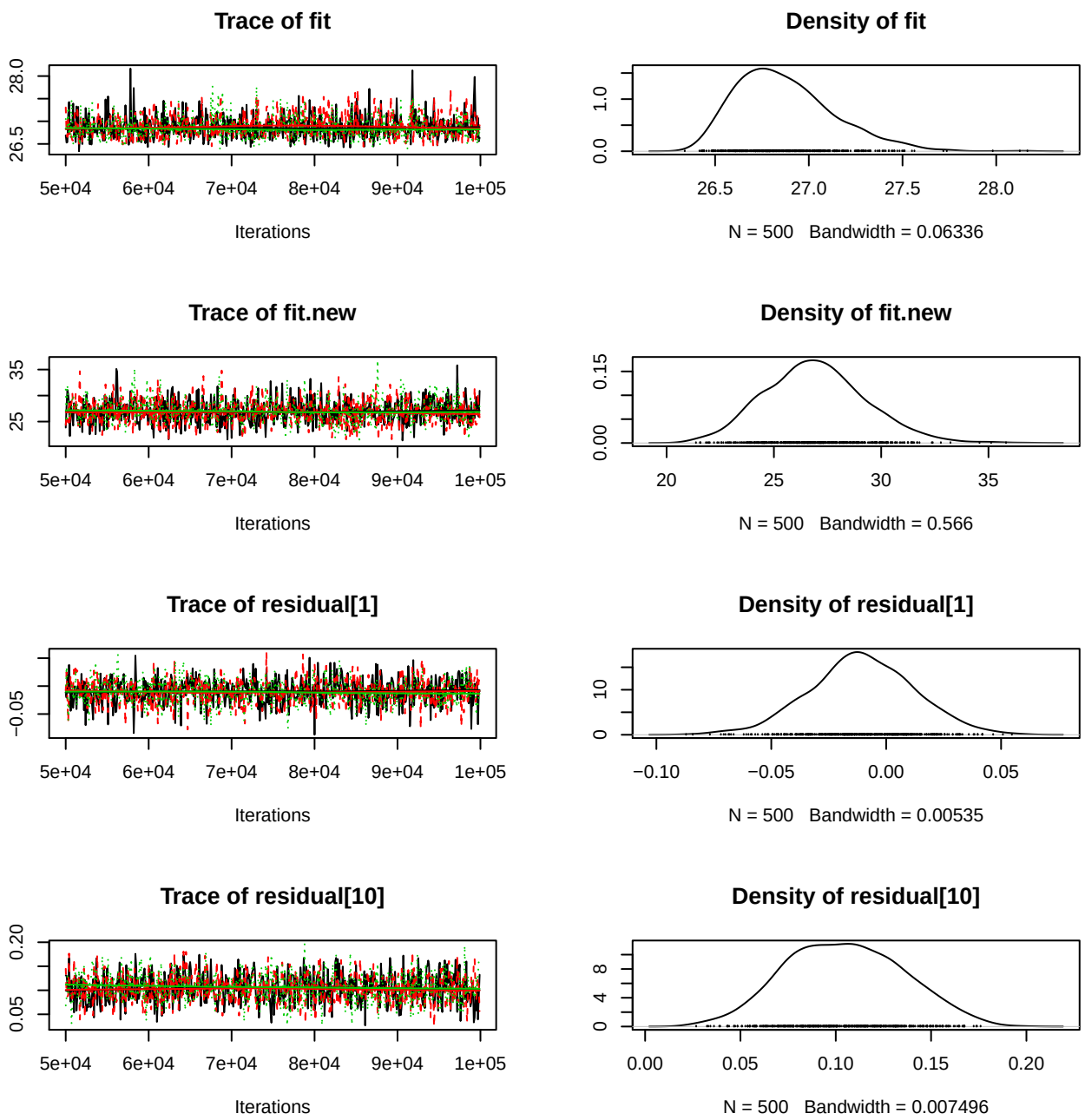

residual
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−0.4
−0.2
0.0
0.2
0.4
0.6
predicted value

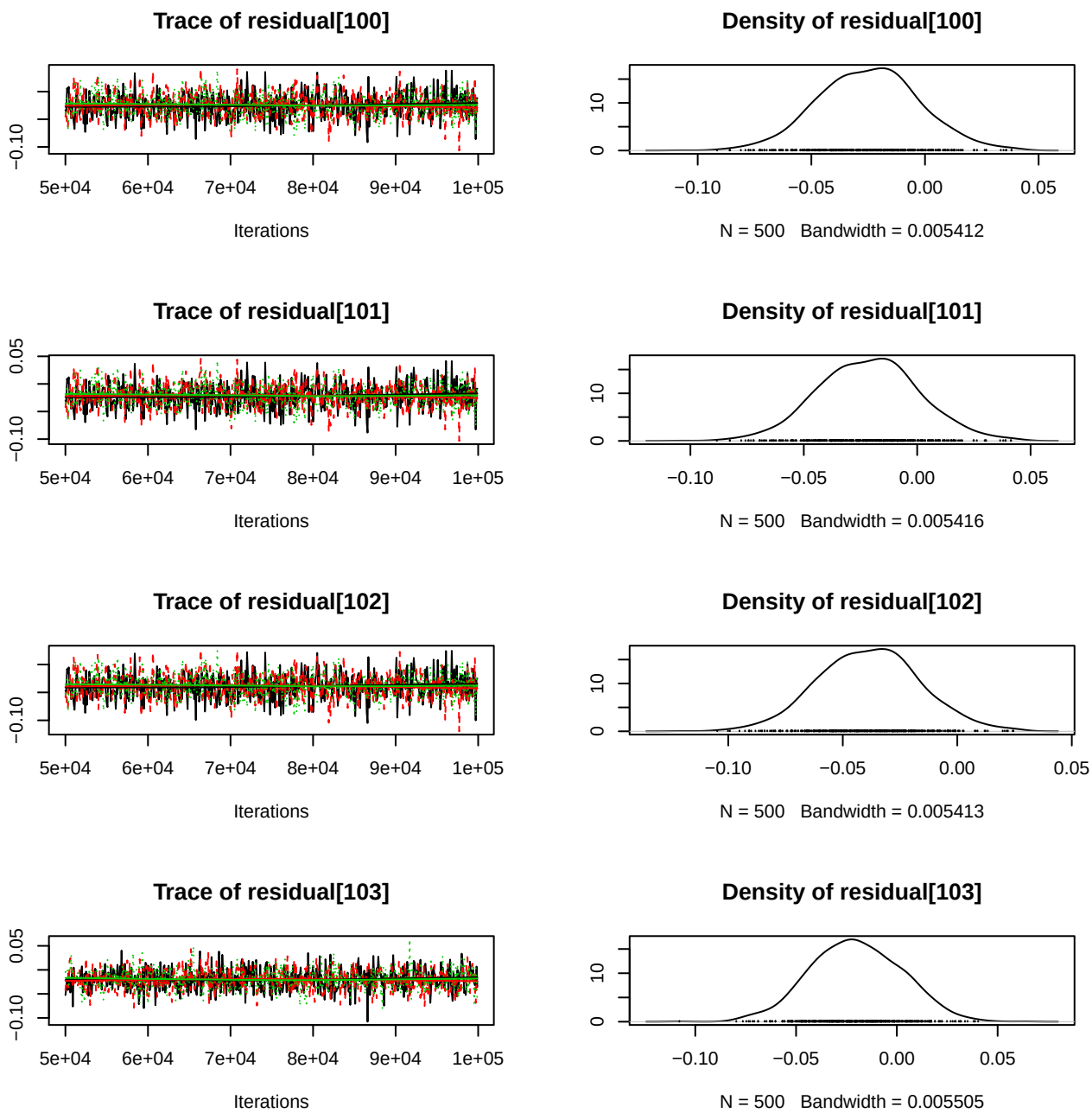

Observed vs Predicted (95%CI)
predicted Y
0.5
0.0
−0.5
−1
0
1
2
observed Y

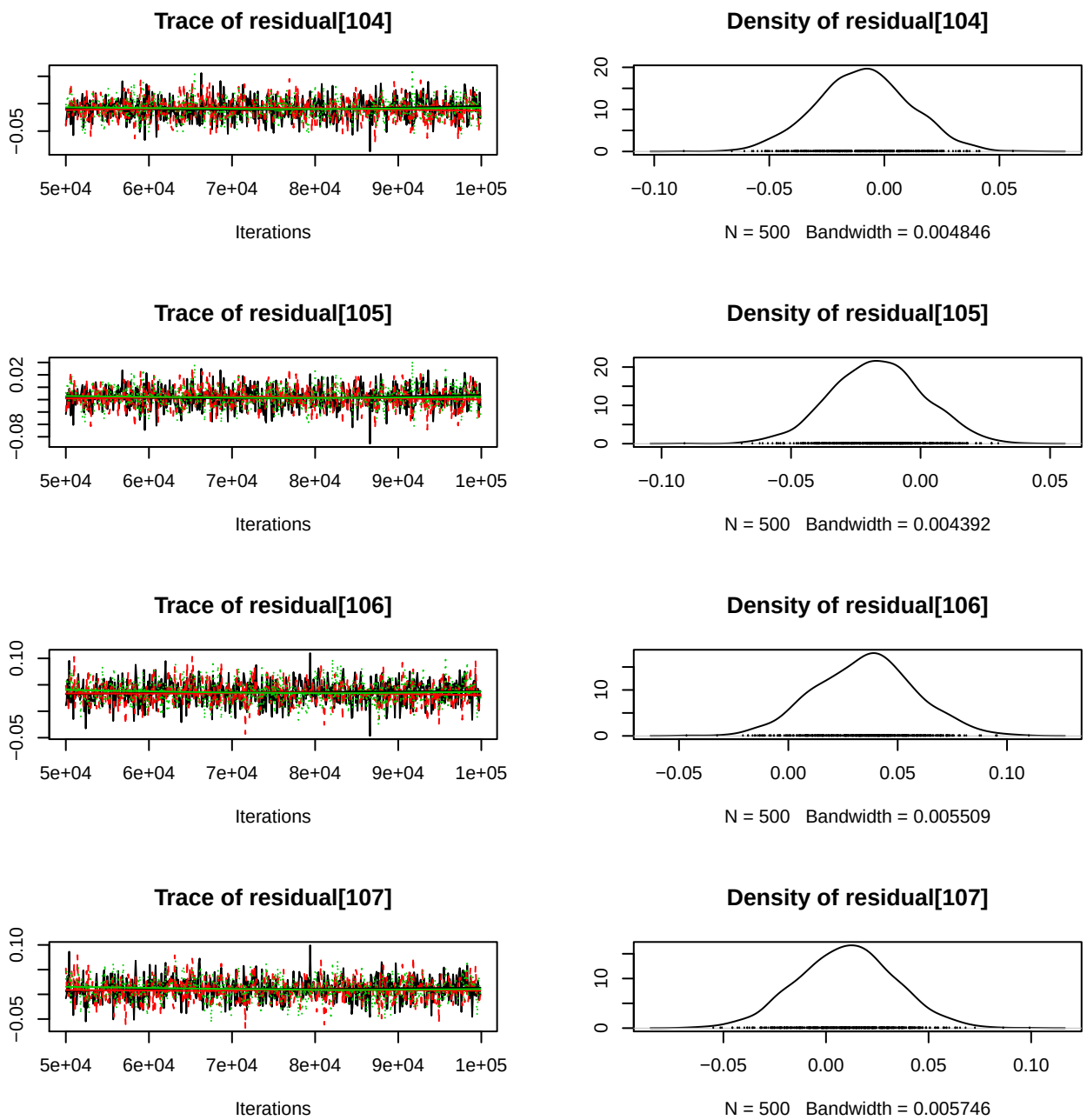

Trace of a[1]
Iterations
Density of a[1]
N = 500 Bandwidth = 0.03136
Trace of a[2]
Iterations
Density of a[2]
N = 500 Bandwidth = 0.0304
Trace of alpha
Iterations
Density of alpha
N = 500 Bandwidth = 0.01077
Trace of b[1]
Iterations
Density of b[1]
N = 500 Bandwidth = 0.02577

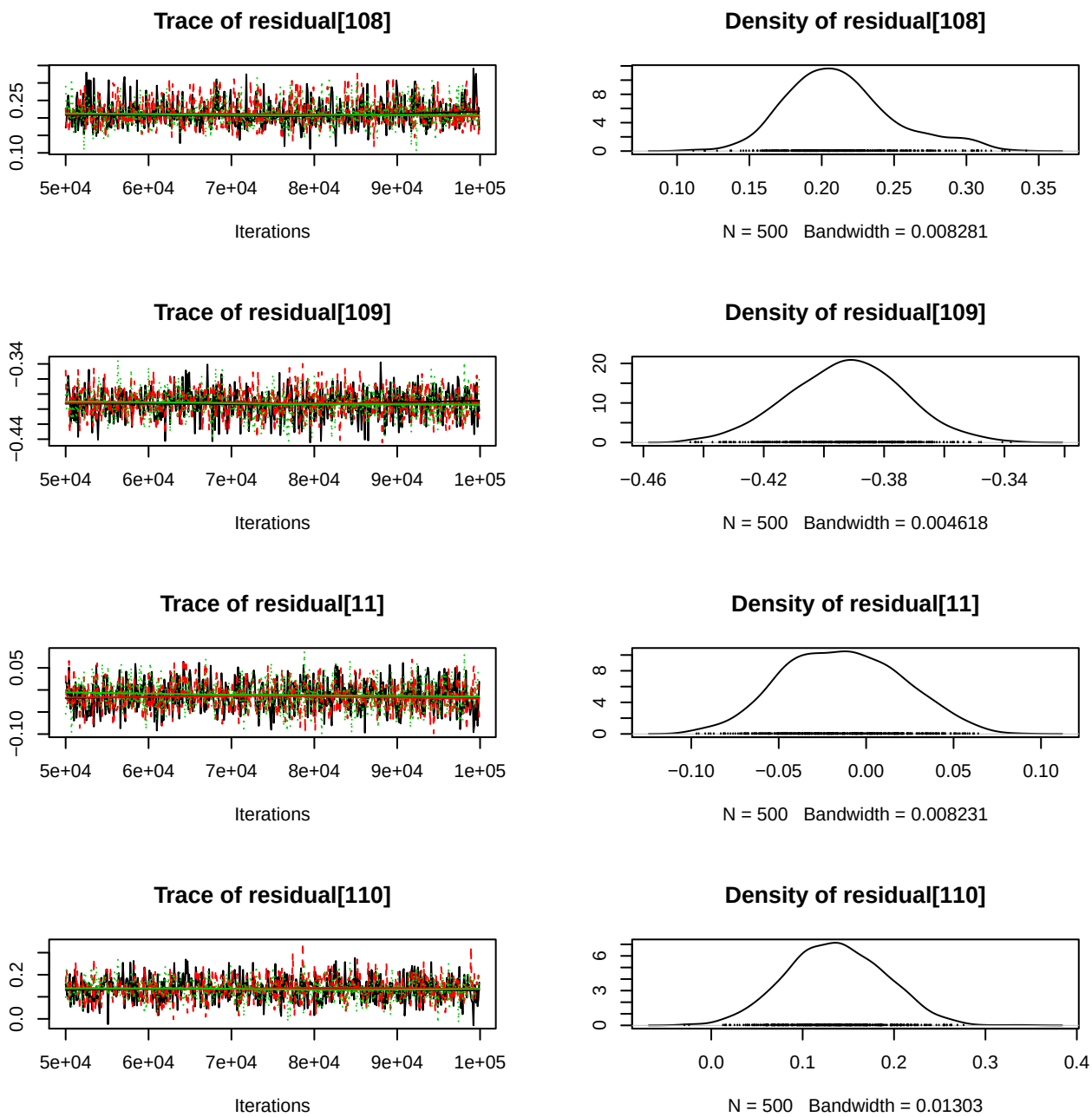

Trace of b[2]
Iterations
Density of b[2]
N = 500 Bandwidth = 0.0007975
Trace of b[3]
Iterations
Density of b[3]
N = 500 Bandwidth = 4.539e−07
Trace of b[4]
Iterations
Density of b[4]
N = 500 Bandwidth = 0.001278
Trace of b[5]
Iterations
Density of b[5]
N = 500 Bandwidth = 0.003418

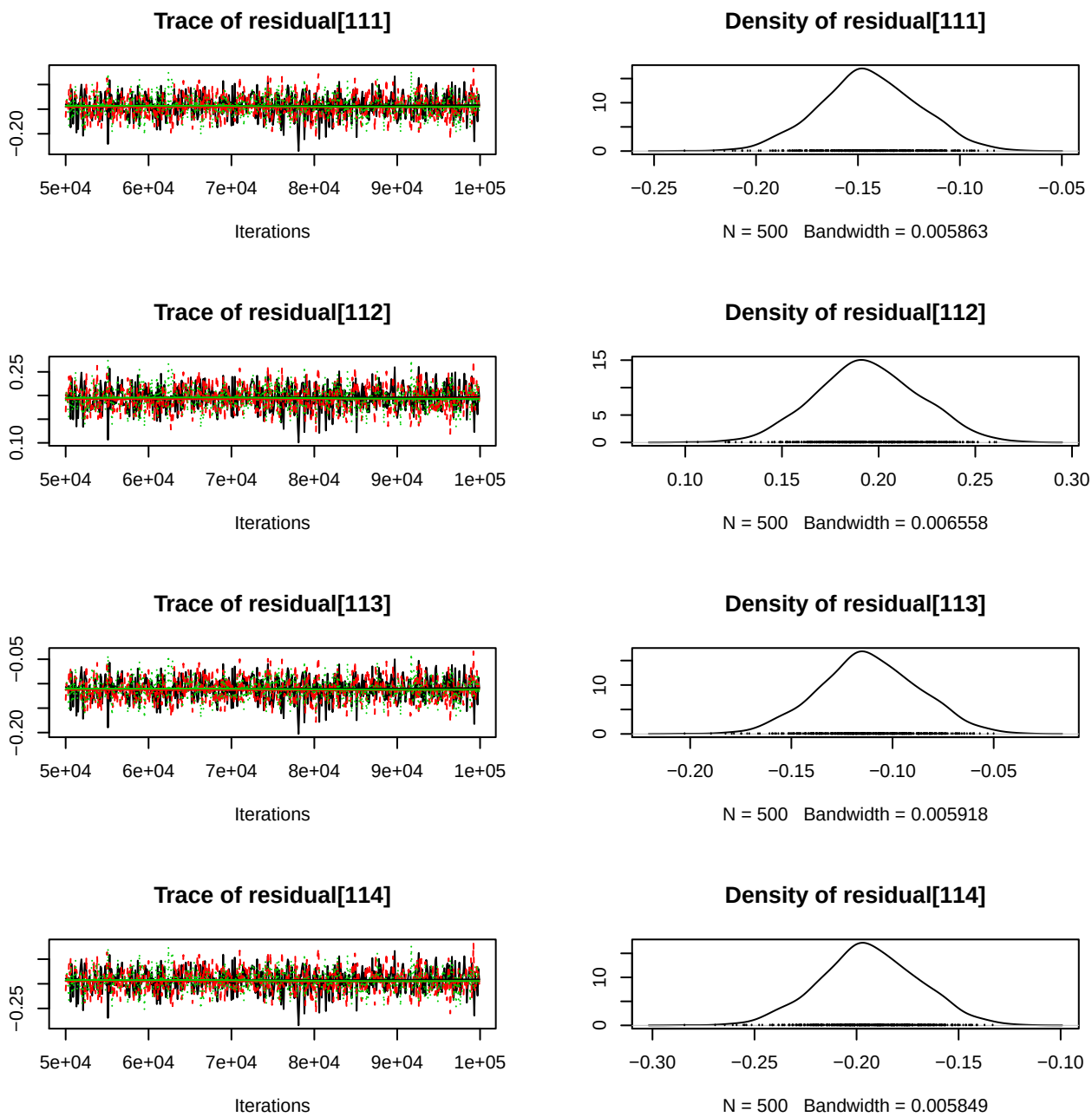

Trace of b[6]
−0.0015
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of b[6]
0
400
−0.0020
−0.0010
0.0000
0.0010
N = 500 Bandwidth = 0.000106
Trace of b[7]
0.2
0.5
Iterations
Density of b[7]
0
2
4
0.1
0.2
0.3
0.4
0.5
0.6
0.7
N = 500 Bandwidth = 0.018
Trace of bpvalue
0.0
0.6
Iterations
Density of bpvalue
0
2
4
0.0
0.2
0.4
0.6
0.8
1.0
Trace of deviance
−110
−80
Iterations
Density of deviance
0.00
0.06
−110
−100
−90
−80
−70
N = 500 Bandwidth = 1.312

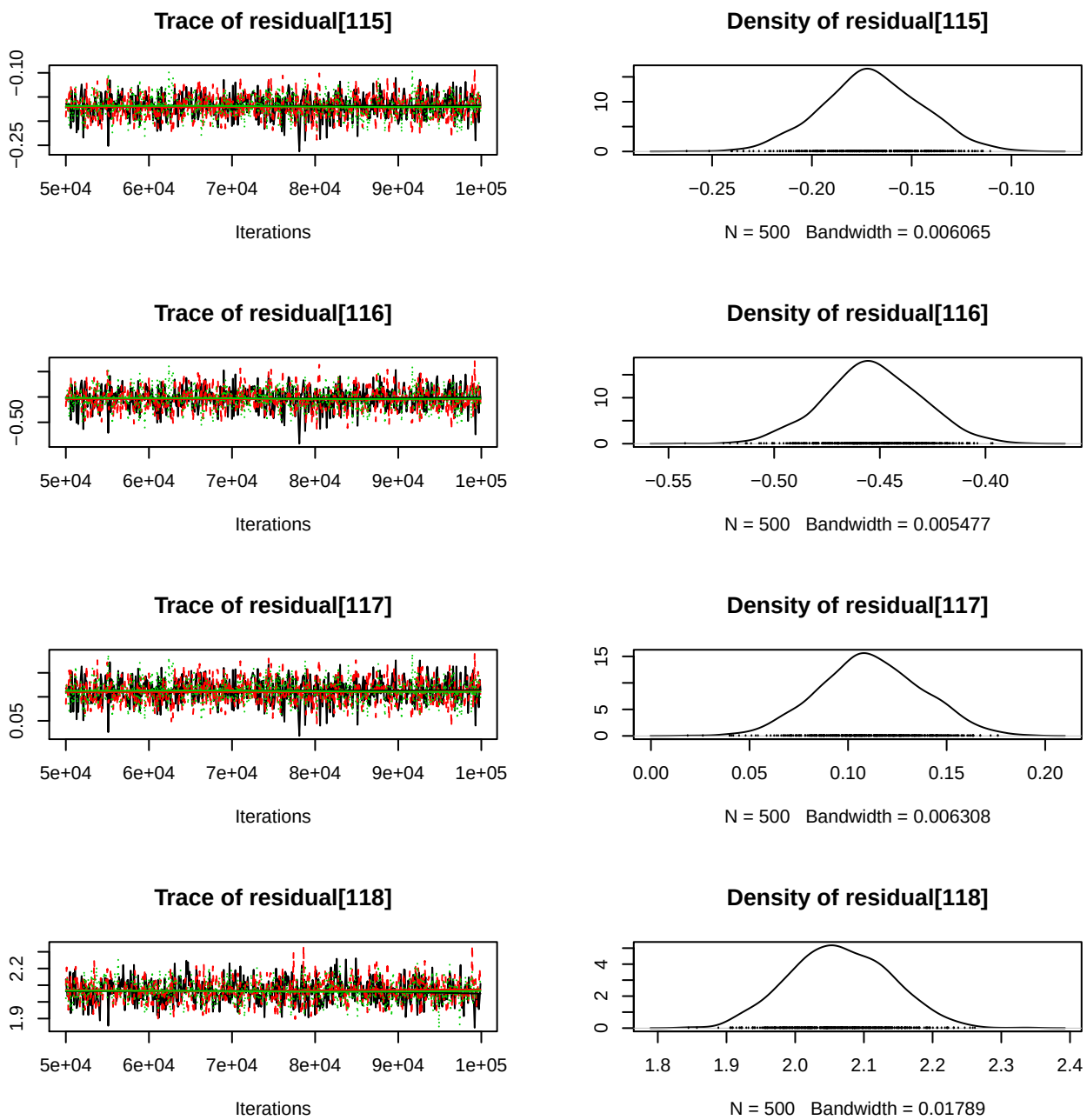

Trace of fit
Iterations
Density of fit
N = 500 Bandwidth = 0.06336
Trace of fit.new
Iterations
Density of fit.new
N = 500 Bandwidth = 0.566
Trace of residual[1]
Iterations
Density of residual[1]
N = 500 Bandwidth = 0.00535
Trace of residual[10]
Iterations
Density of residual[10]
N = 500 Bandwidth = 0.007496

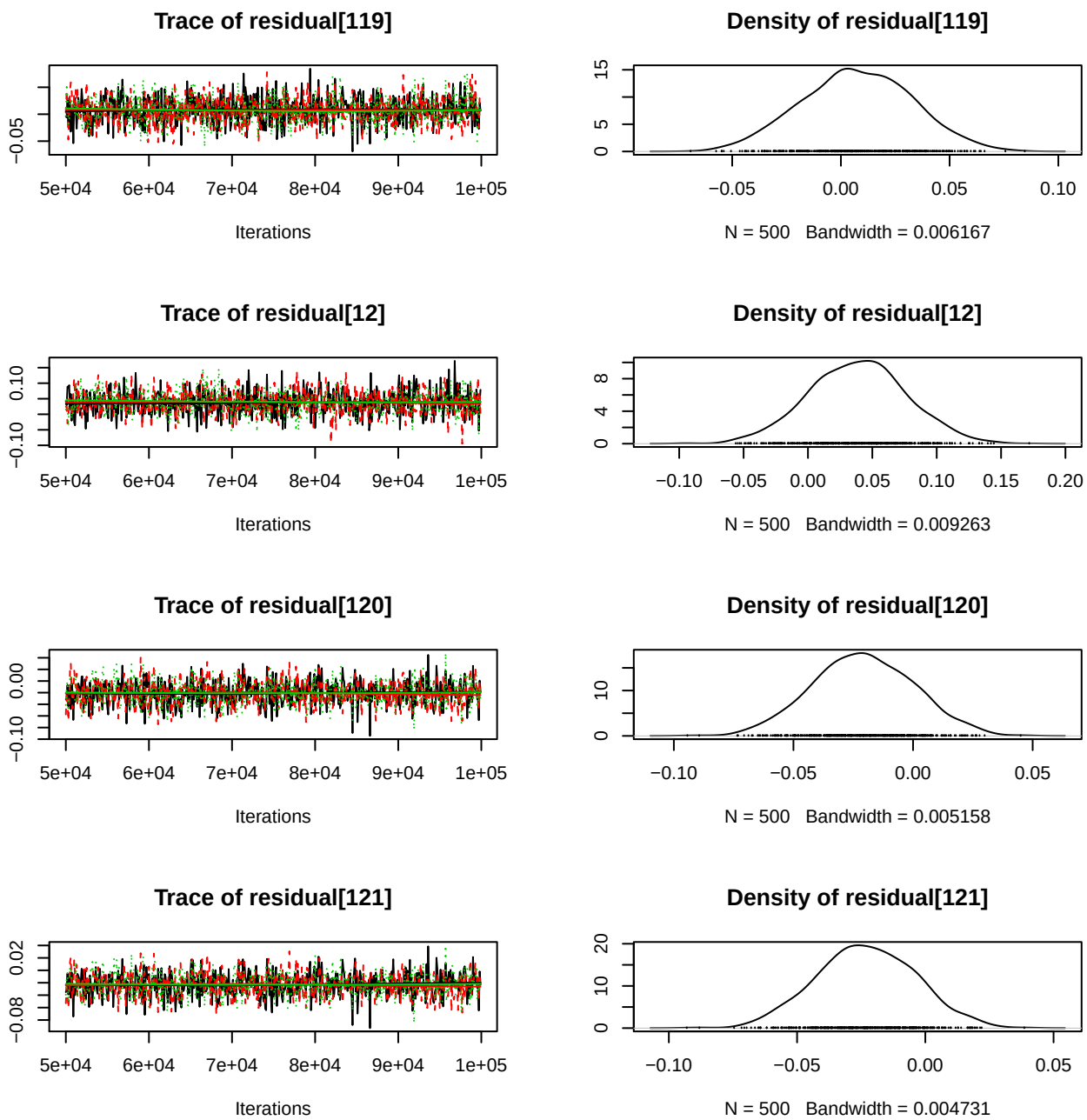

Trace of residual[100]
−0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[100]
0
10
−0.10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.005412
Trace of residual[101]
0.05
−0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[101]
0
10
−0.10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.005416
Trace of residual[102]
−0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[102]
0
10
−0.10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.005413
Trace of residual[103]
0.05
−0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[103]
0
10
−0.10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.005505

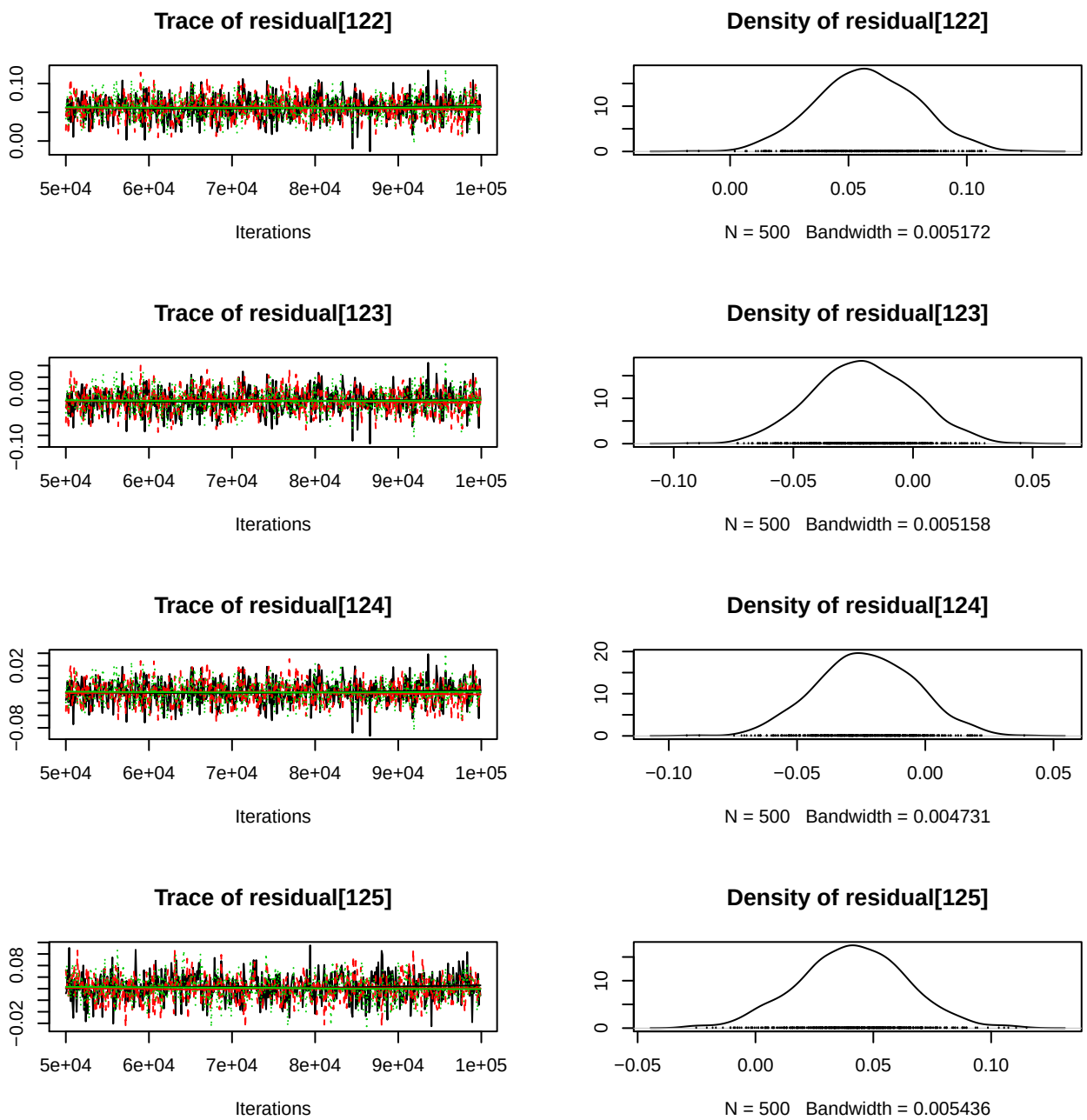

Trace of residual[104]
−0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[104]
0
10
20
−0.10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.004846
Trace of residual[105]
−0.08
0.02
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[105]
0
10
20
−0.10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.004392
Trace of residual[106]
−0.05
0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[106]
0
10
−0.05
0.00
0.05
0.10
N = 500 Bandwidth = 0.005509
Trace of residual[107]
−0.05
0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[107]
0
10
−0.05
0.00
0.05
0.10
N = 500 Bandwidth = 0.005746

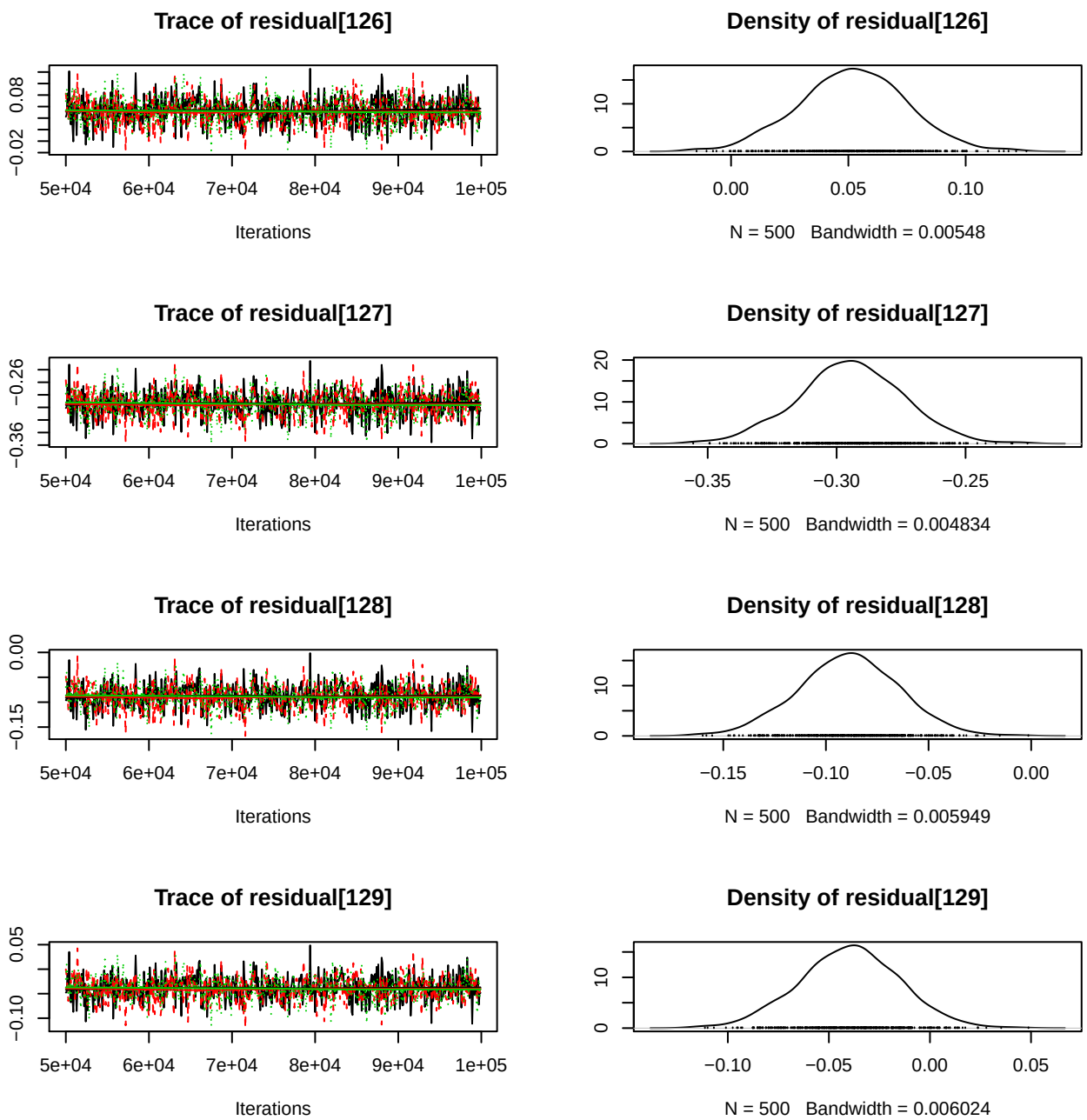

Trace of residual[108]
0.10
0.25
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[108]
0
4
8
0.10
0.15
0.20
0.25
0.30
0.35
N = 500 Bandwidth = 0.008281
Trace of residual[109]
−0.44
−0.34
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[109]
0
10
20
−0.46
−0.42
−0.38
−0.34
N = 500 Bandwidth = 0.004618
Trace of residual[11]
−0.10
0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[11]
0
4
8
−0.10
−0.05
0.00
0.05
0.10
N = 500 Bandwidth = 0.008231
Trace of residual[110]
0.0
0.2
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[110]
0
3
6
0.0
0.1
0.2
0.3
0.4
N = 500 Bandwidth = 0.01303

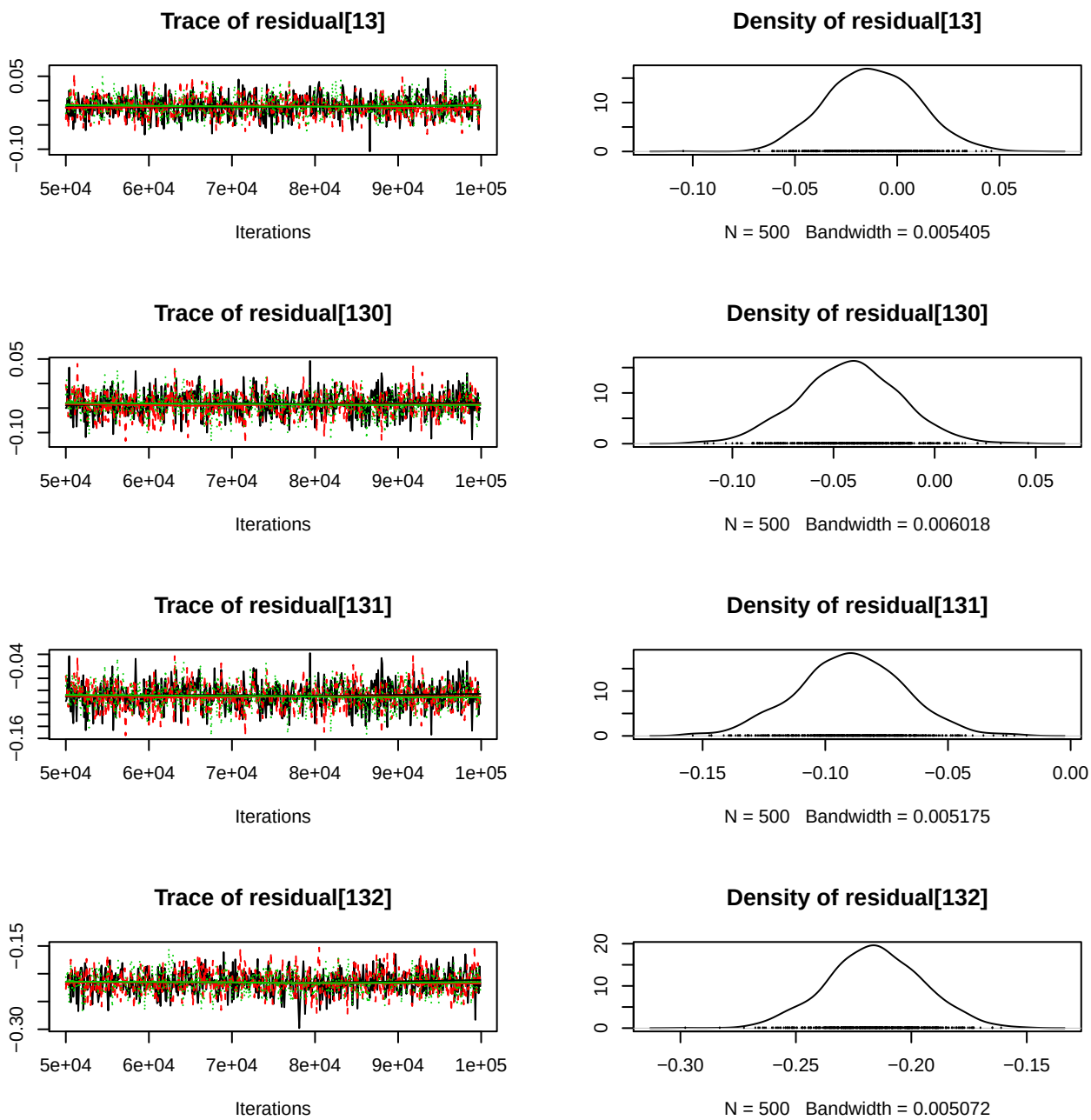

Trace of residual[111]
−0.20
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[111]
0
10
−0.25
−0.20
−0.15
−0.10
−0.05
N = 500 Bandwidth = 0.005863
Trace of residual[112]
0.10
0.25
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[112]
0
5
15
0.10
0.15
0.20
0.25
0.30
N = 500 Bandwidth = 0.006558
Trace of residual[113]
−0.20
−0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[113]
0
10
−0.20
−0.15
−0.10
−0.05
N = 500 Bandwidth = 0.005918
Trace of residual[114]
−0.25
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[114]
0
10
−0.30
−0.25
−0.20
−0.15
−0.10
N = 500 Bandwidth = 0.005849

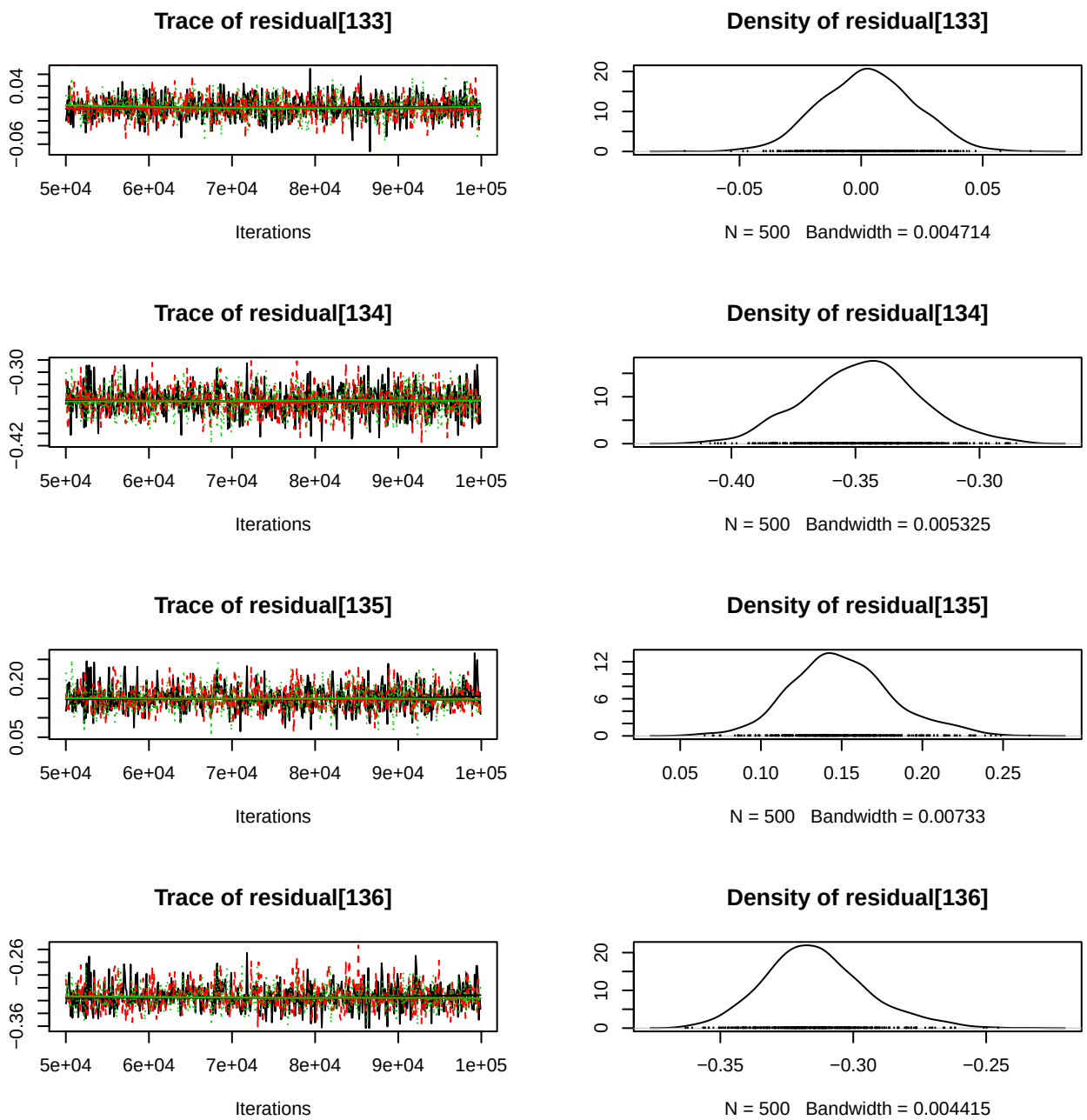

Trace of residual[115]
−0.25
−0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[115]
0
10
−0.25
−0.20
−0.15
−0.10
N = 500 Bandwidth = 0.006065
Trace of residual[116]
−0.50
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[116]
0
10
−0.55
−0.50
−0.45
−0.40
N = 500 Bandwidth = 0.005477
Trace of residual[117]
0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[117]
0
5
15
0.00
0.05
0.10
0.15
0.20
N = 500 Bandwidth = 0.006308
Trace of residual[118]
1.9
2.2
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[118]
0
2
4
1.8
1.9
2.0
2.1
2.2
2.3
2.4
N = 500 Bandwidth = 0.01789

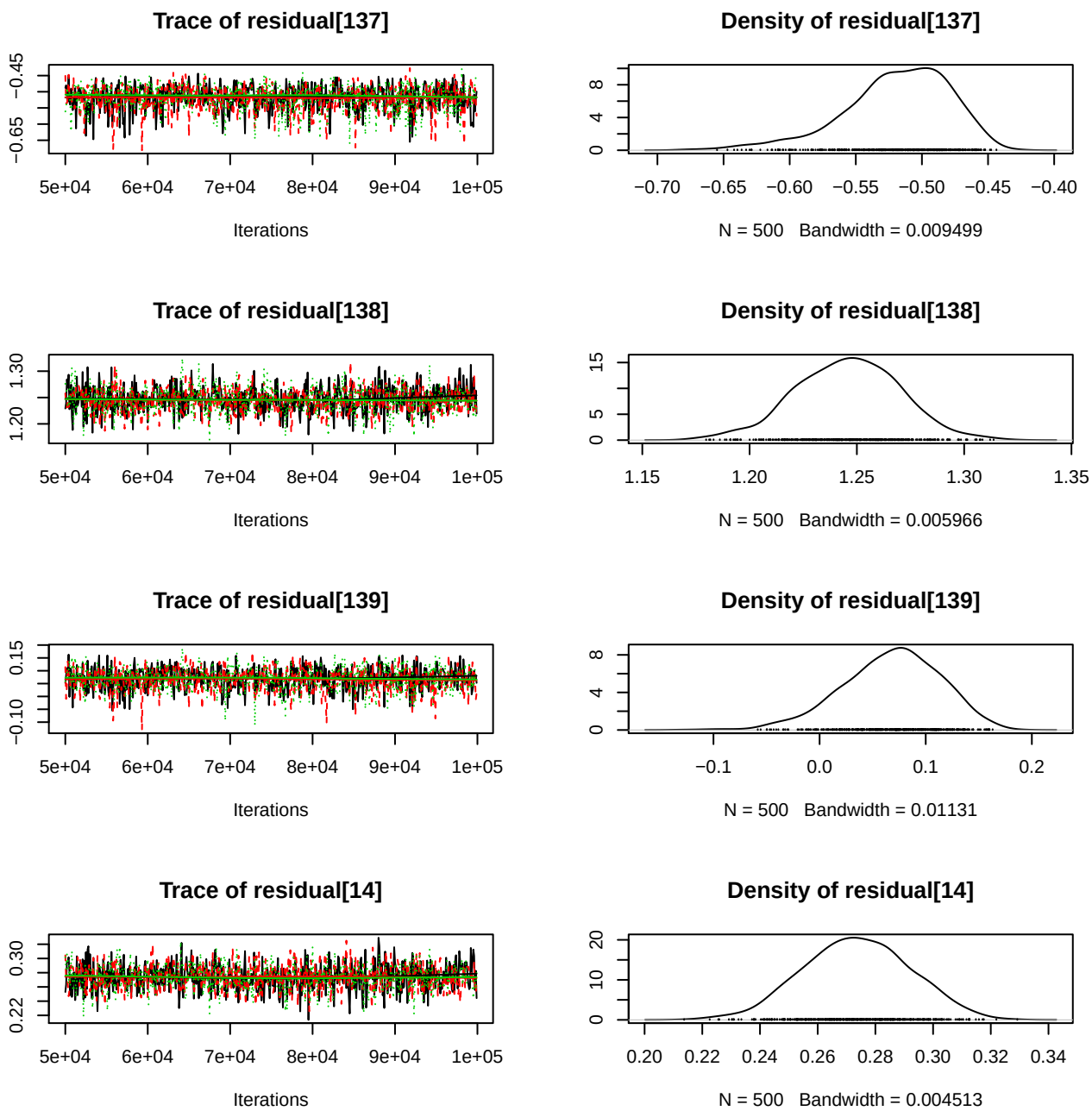

Trace of residual[119]
−0.05
5e+04 6e+04 7e+04 8e+04 9e+04 1e+05
Iterations
Density of residual[119]
0 5 15
−0.05 0.00 0.05 0.10
N = 500 Bandwidth = 0.006167
Trace of residual[12]
−0.10 0.10
5e+04 6e+04 7e+04 8e+04 9e+04 1e+05
Iterations
Density of residual[12]
0 4 8
−0.10 −0.05 0.00 0.05 0.10 0.15 0.20
N = 500 Bandwidth = 0.009263
Trace of residual[120]
−0.10 0.00
5e+04 6e+04 7e+04 8e+04 9e+04 1e+05
Iterations
Density of residual[120]
0 10
−0.10 −0.05 0.00 0.05
N = 500 Bandwidth = 0.005158
Trace of residual[121]
−0.08 0.02
5e+04 6e+04 7e+04 8e+04 9e+04 1e+05
Iterations
Density of residual[121]
0 10 20
−0.10 −0.05 0.00 0.05
N = 500 Bandwidth = 0.004731

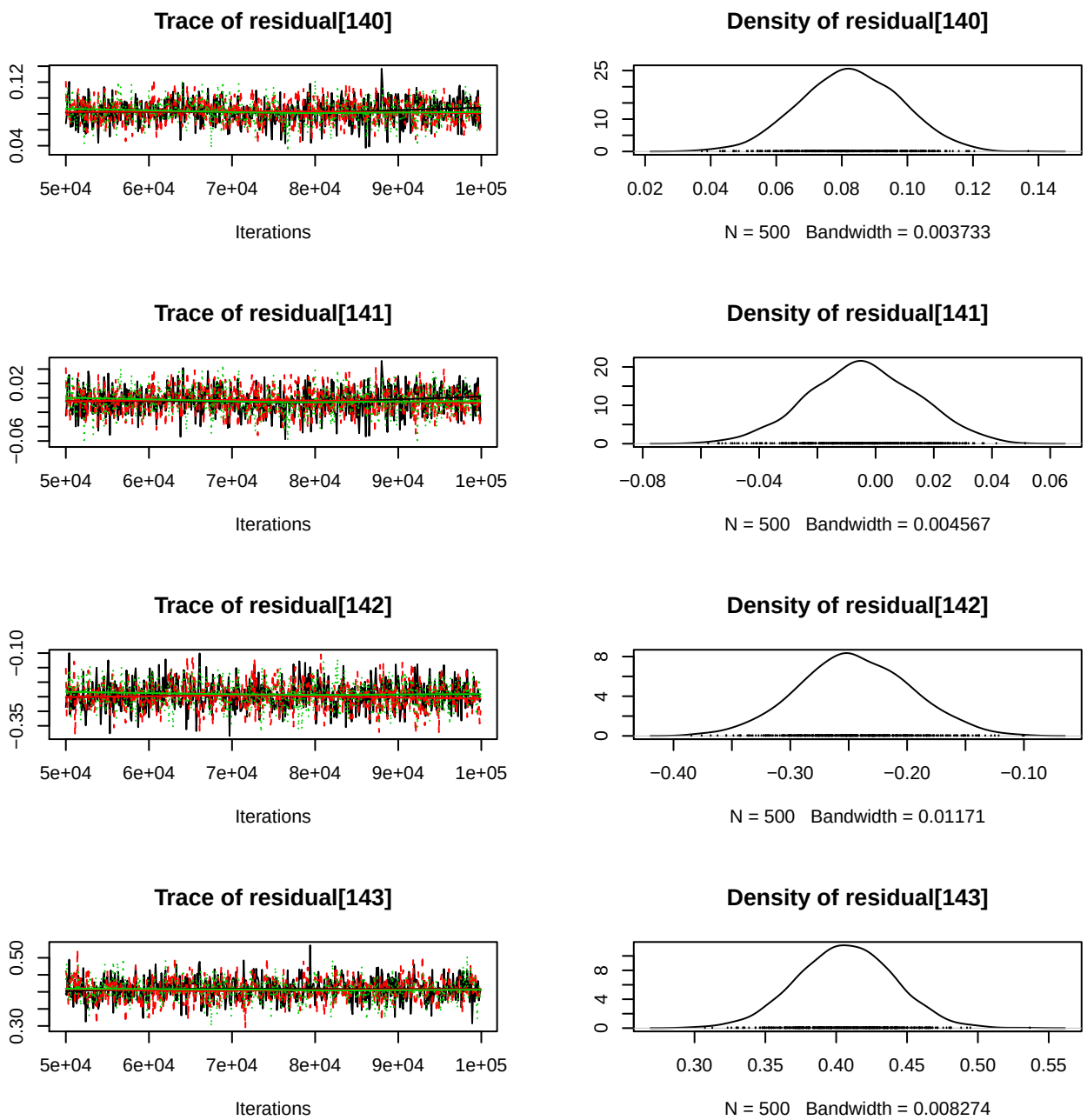

Trace of residual[122]
0.00
0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[122]
0
10
0.00
0.05
0.10
N = 500 Bandwidth = 0.005172
Trace of residual[123]
−0.10
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[123]
0
10
−0.10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.005158
Trace of residual[124]
−0.08
0.02
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[124]
0
10
20
−0.10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.004731
Trace of residual[125]
−0.02
0.08
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[125]
0
10
−0.05
0.00
0.05
0.10
N = 500 Bandwidth = 0.005436

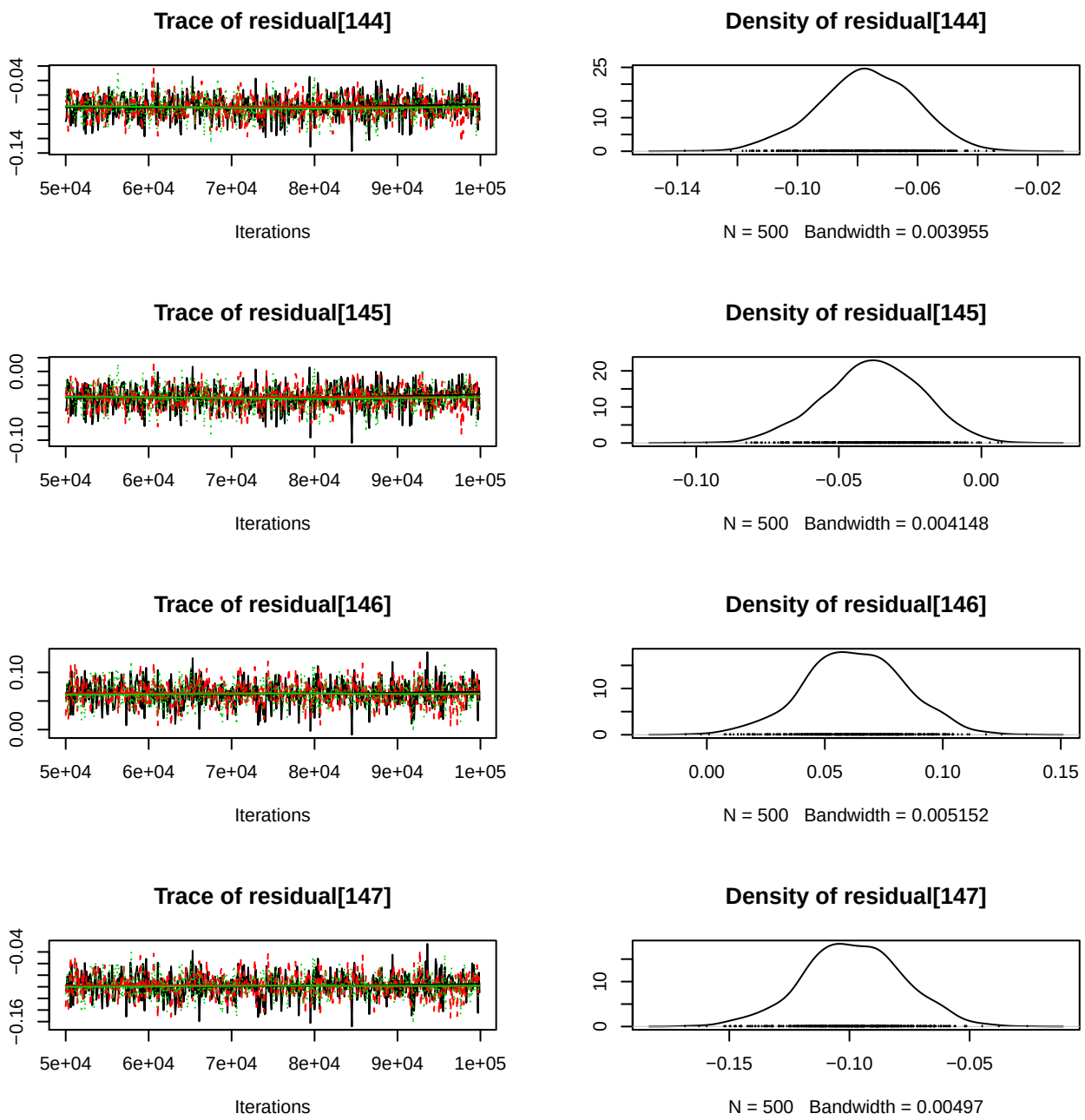

Trace of residual[126]
Density of residual[126]
Iterations
N = 500 Bandwidth = 0.00548
Trace of residual[127]
Density of residual[127]
Iterations
N = 500 Bandwidth = 0.004834
Trace of residual[128]
Density of residual[128]
Iterations
N = 500 Bandwidth = 0.005949
Trace of residual[129]
Density of residual[129]
Iterations
N = 500 Bandwidth = 0.006024

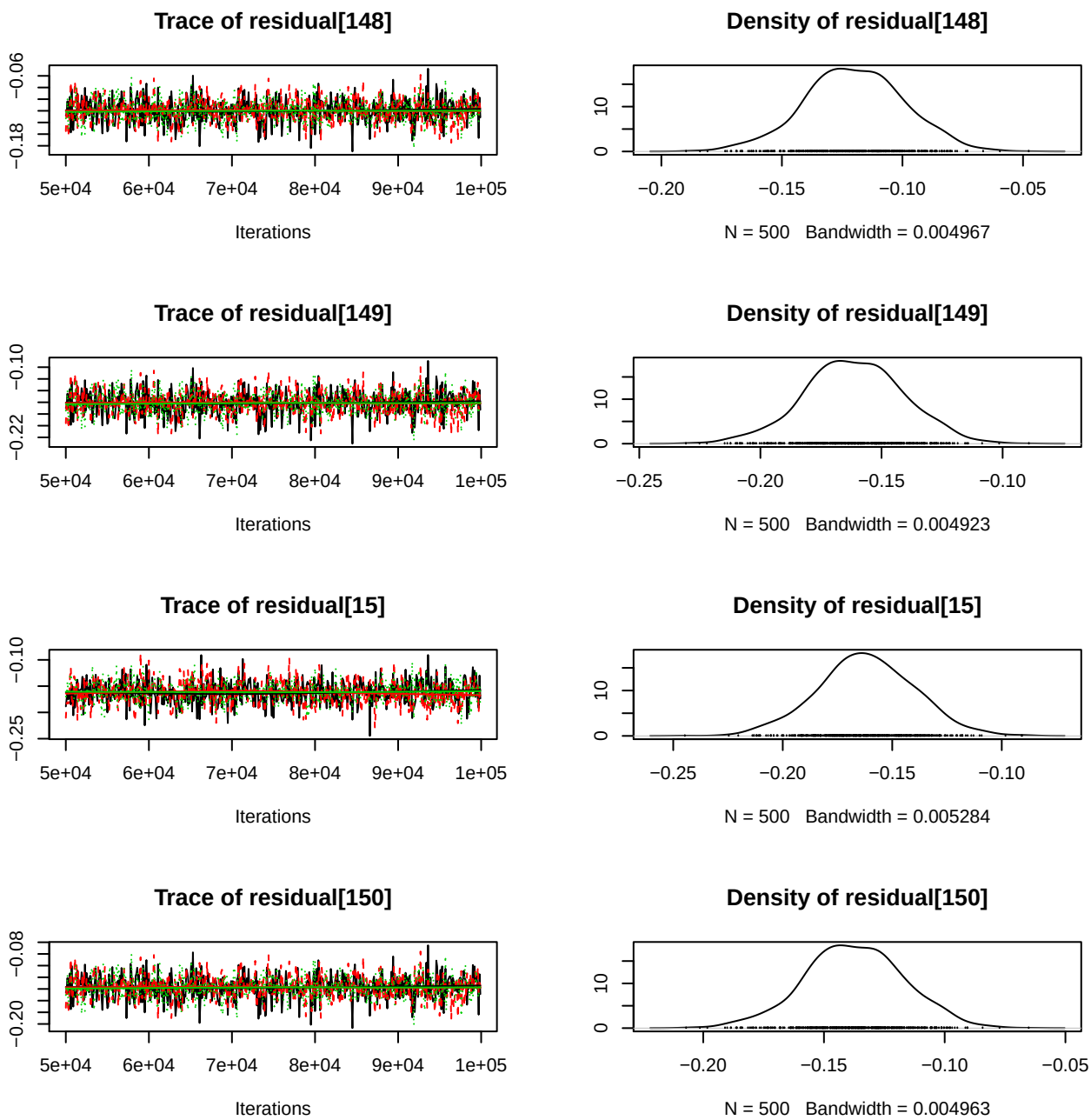

Trace of residual[13]
Iterations
Density of residual[13]
N = 500 Bandwidth = 0.005405
Trace of residual[130]
Iterations
Density of residual[130]
N = 500 Bandwidth = 0.006018
Trace of residual[131]
Iterations
Density of residual[131]
N = 500 Bandwidth = 0.005175
Trace of residual[132]
Iterations
Density of residual[132]
N = 500 Bandwidth = 0.005072

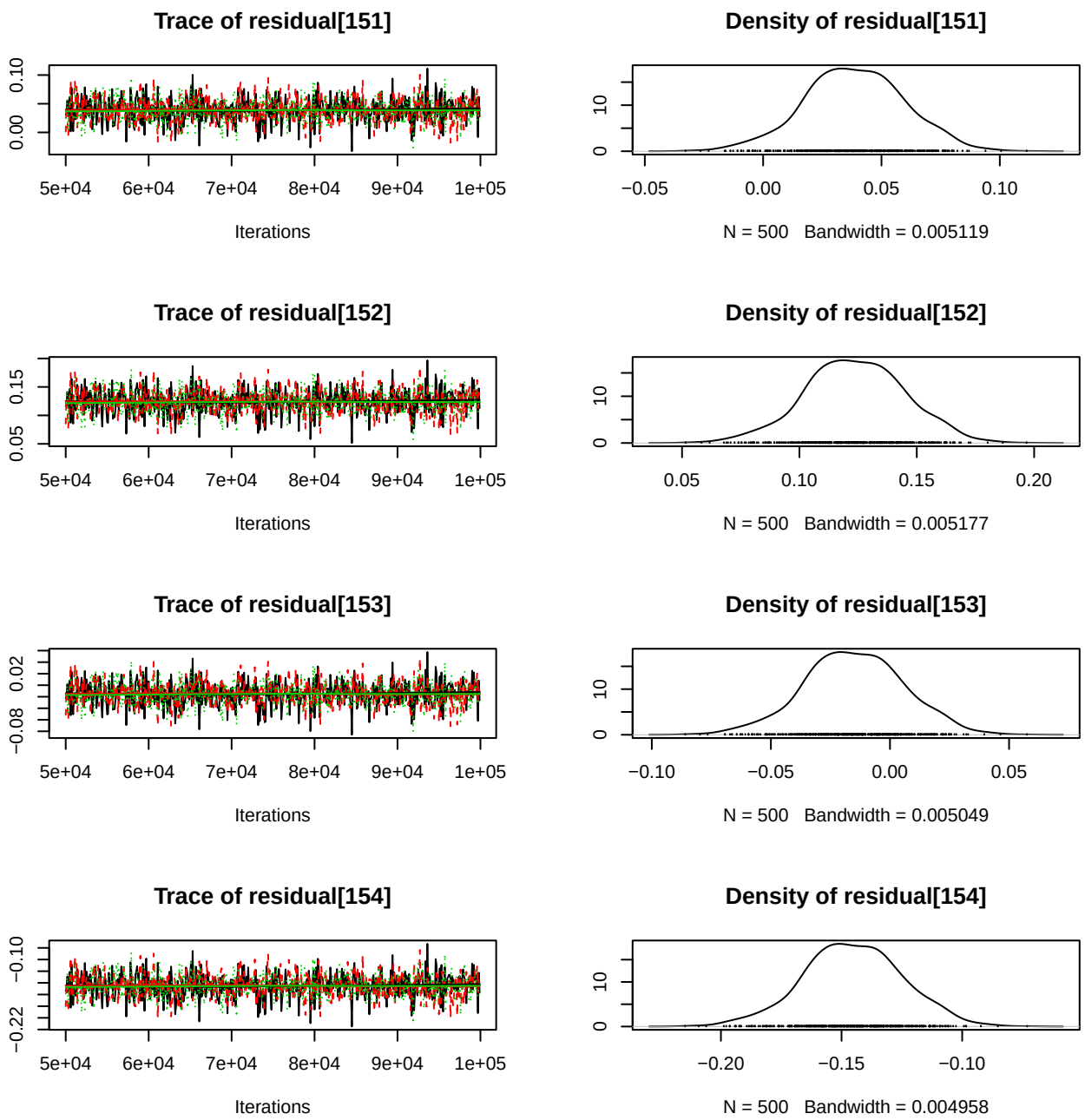

Trace of residual[133]
Iterations
Density of residual[133]
N = 500 Bandwidth = 0.004714
Trace of residual[134]
Iterations
Density of residual[134]
N = 500 Bandwidth = 0.005325
Trace of residual[135]
Iterations
Density of residual[135]
N = 500 Bandwidth = 0.00733
Trace of residual[136]
Iterations
Density of residual[136]
N = 500 Bandwidth = 0.004415

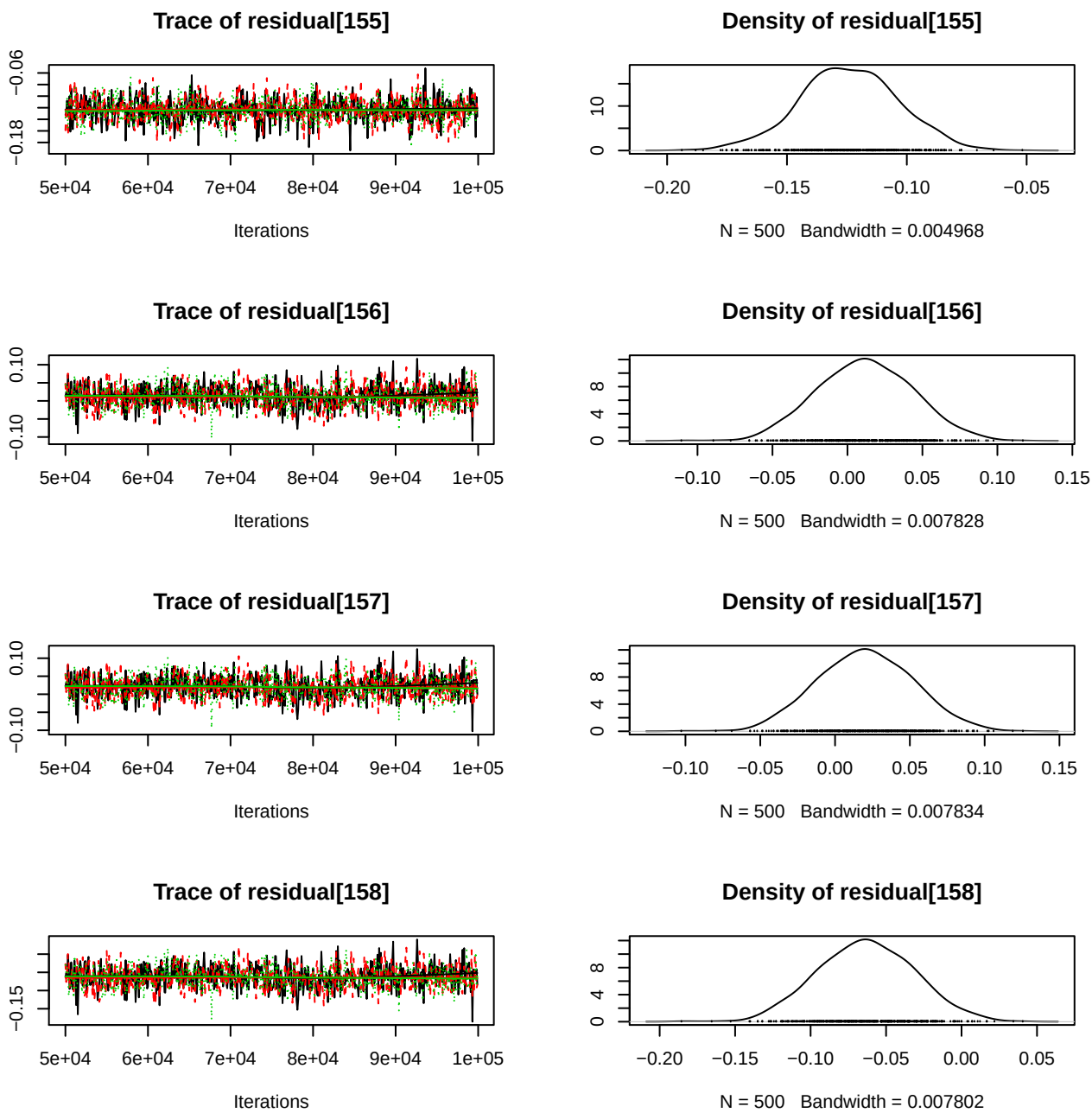

Trace of residual[137]
−0.65
−0.45
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[137]
0
4
8
−0.70
−0.65
−0.60
−0.55
−0.50
−0.45
−0.40
N = 500 Bandwidth = 0.009499
Trace of residual[138]
1.20
1.30
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[138]
0
5
15
1.15
1.20
1.25
1.30
1.35
N = 500 Bandwidth = 0.005966
Trace of residual[139]
−0.10
0.15
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[139]
0
4
8
−0.1
0.0
0.1
0.2
N = 500 Bandwidth = 0.01131
Trace of residual[14]
0.22
0.30
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[14]
0
10
20
0.20
0.22
0.24
0.26
0.28
0.30
0.32
0.34
N = 500 Bandwidth = 0.004513

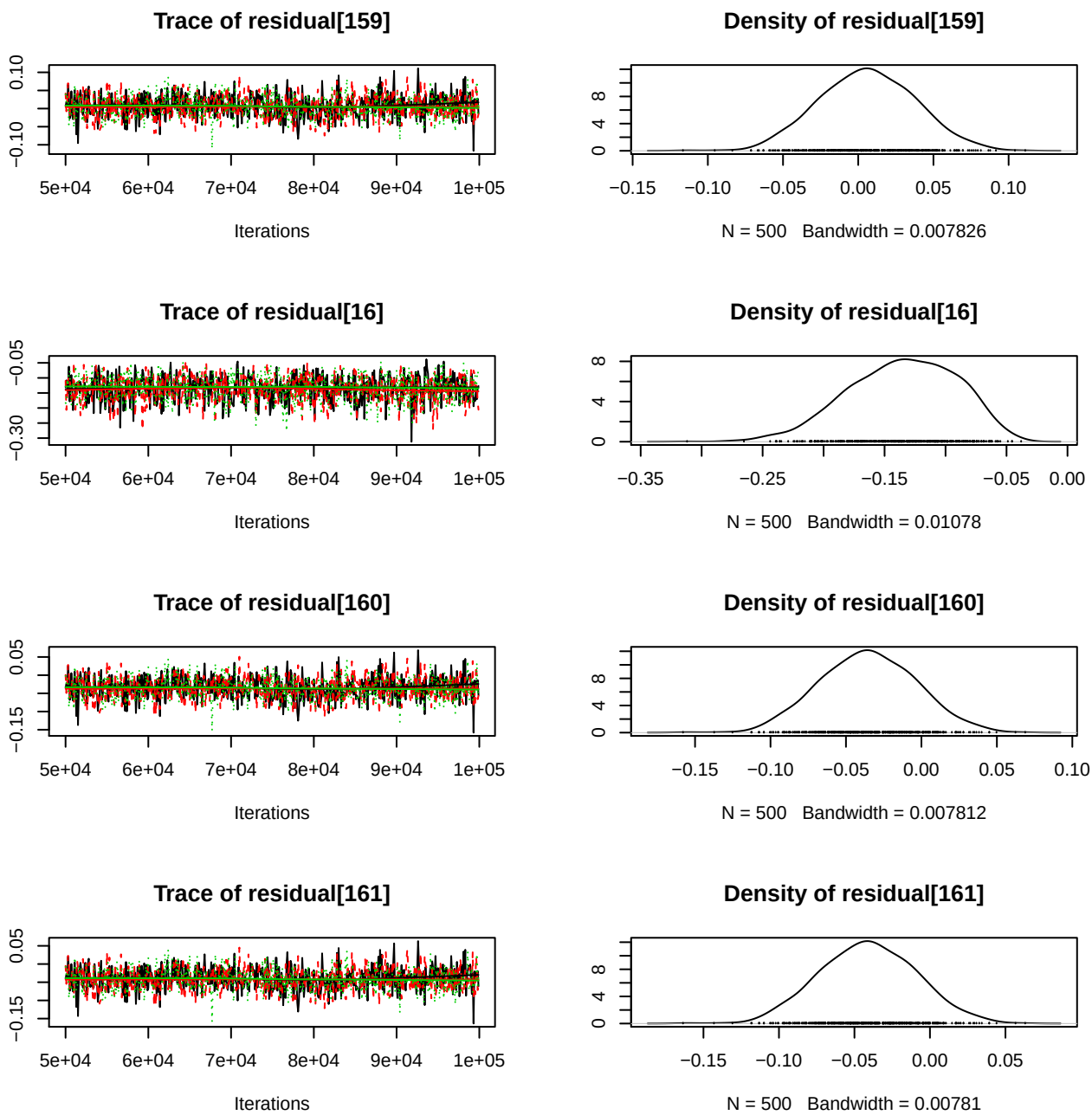

Trace of residual[140]
0.04
0.12
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[140]
0
10
25
0.02
0.04
0.06
0.08
0.10
0.12
0.14
N = 500 Bandwidth = 0.003733
Trace of residual[141]
−0.06
0.02
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[141]
0
10
20
−0.08
−0.04
0.00
0.02
0.04
0.06
N = 500 Bandwidth = 0.004567
Trace of residual[142]
−0.35
−0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[142]
0
4
8
−0.40
−0.30
−0.20
−0.10
N = 500 Bandwidth = 0.01171
Trace of residual[143]
0.30
0.50
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[143]
0
4
8
0.30
0.35
0.40
0.45
0.50
0.55
N = 500 Bandwidth = 0.008274

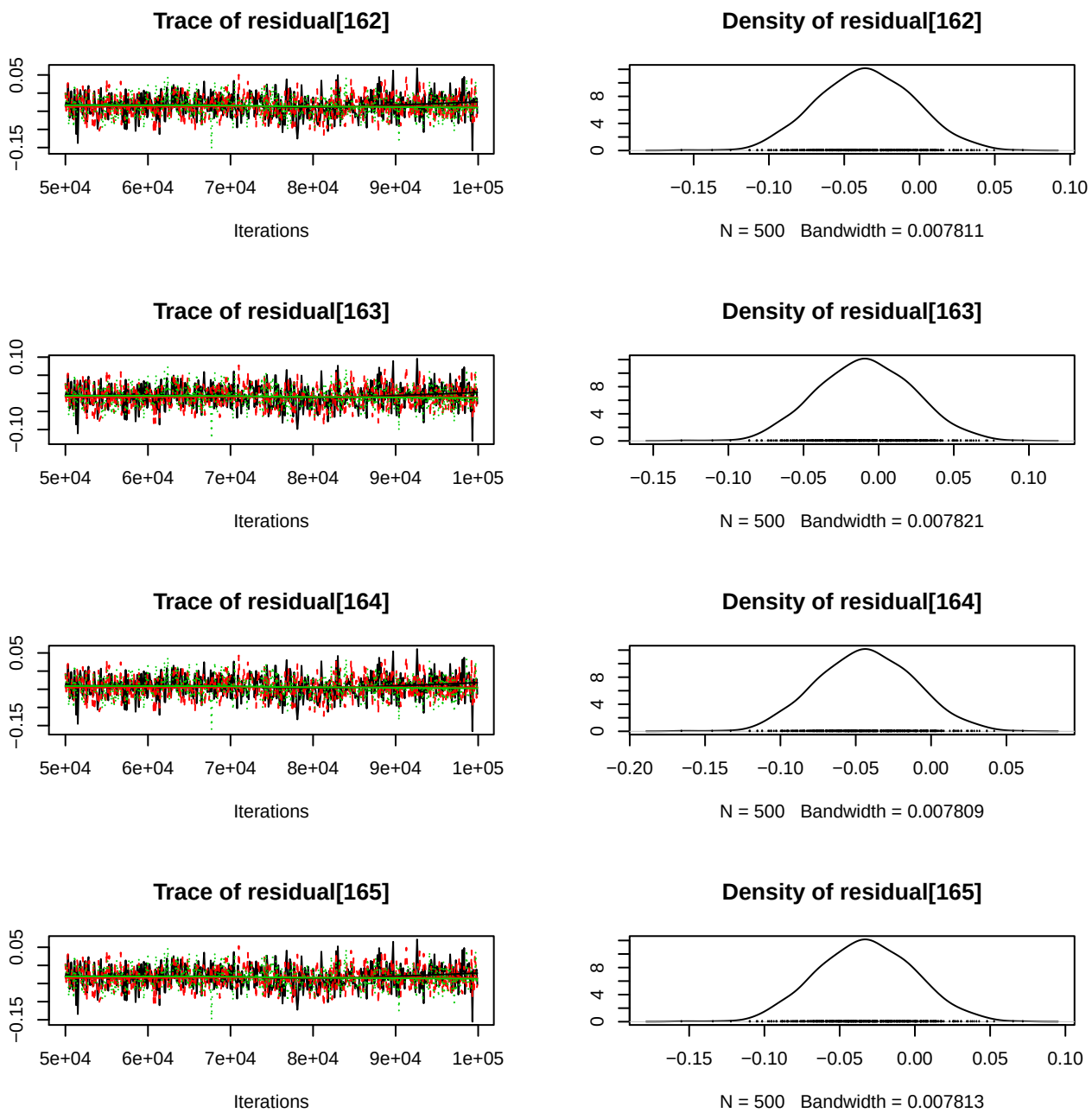

Trace of residual[144]
−0.14
−0.04
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[144]
0
10
25
−0.14
−0.10
−0.06
−0.02
N = 500 Bandwidth = 0.003955
Trace of residual[145]
−0.10
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[145]
0
10
20
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.004148
Trace of residual[146]
0.00
0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[146]
0
10
0.00
0.05
0.10
0.15
N = 500 Bandwidth = 0.005152
Trace of residual[147]
−0.16
−0.04
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[147]
0
10
−0.15
−0.10
−0.05
N = 500 Bandwidth = 0.00497

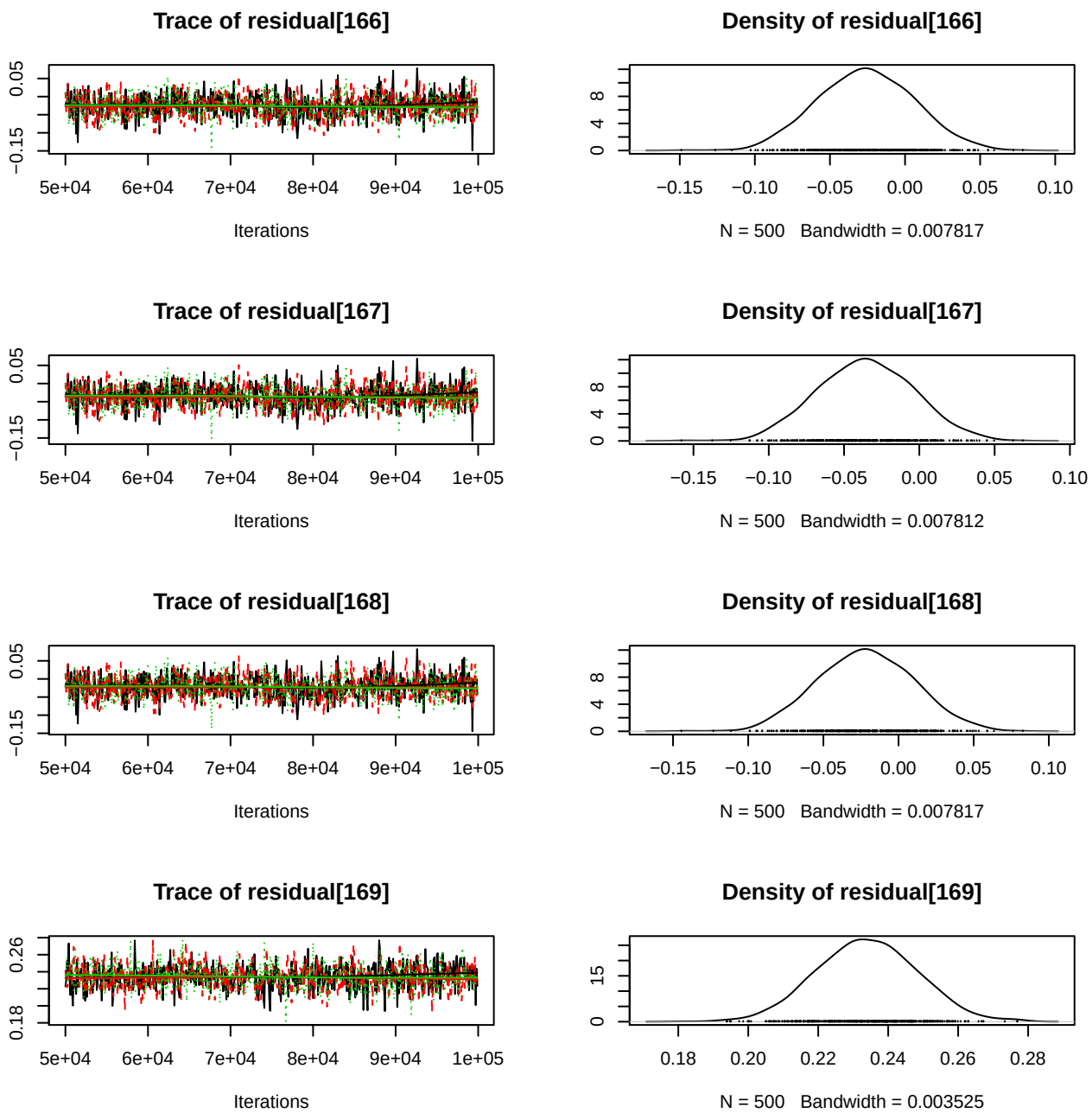

Trace of residual[148]
−0.18
−0.06
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[148]
0
10
−0.20
−0.15
−0.10
−0.05
N = 500 Bandwidth = 0.004967
Trace of residual[149]
−0.22
−0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[149]
0
10
−0.25
−0.20
−0.15
−0.10
N = 500 Bandwidth = 0.004923
Trace of residual[15]
−0.25
−0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[15]
0
10
−0.25
−0.20
−0.15
−0.10
N = 500 Bandwidth = 0.005284
Trace of residual[150]
−0.20
−0.08
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[150]
0
10
−0.20
−0.15
−0.10
−0.05
N = 500 Bandwidth = 0.004963

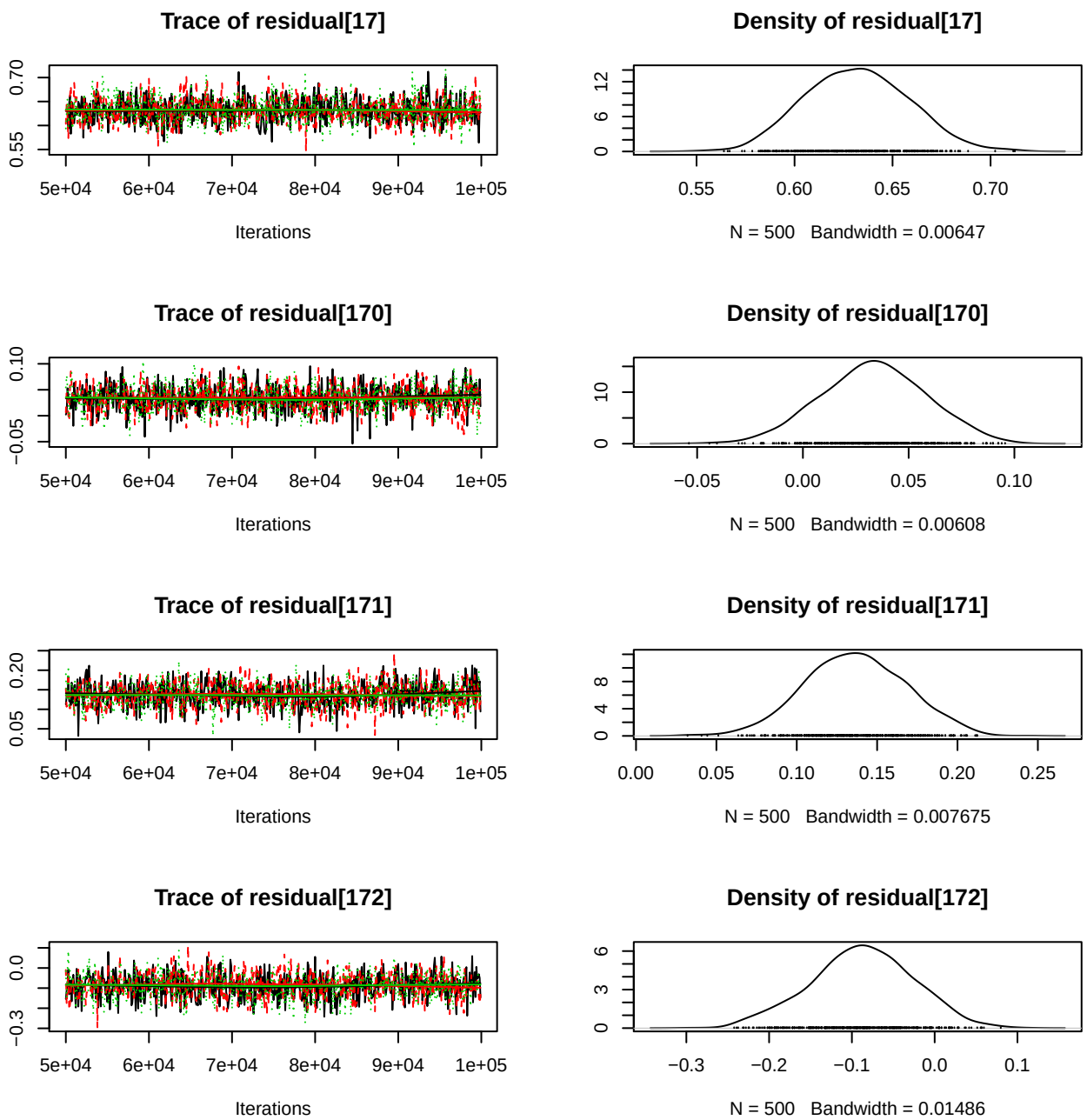

Trace of residual[151]
0.00
0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[151]
0
10
−0.05
0.00
0.05
0.10
N = 500 Bandwidth = 0.005119
Trace of residual[152]
0.05
0.15
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[152]
0
10
0.05
0.10
0.15
0.20
N = 500 Bandwidth = 0.005177
Trace of residual[153]
−0.08
0.02
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[153]
0
10
−0.10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.005049
Trace of residual[154]
−0.22
−0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[154]
0
10
−0.20
−0.15
−0.10
N = 500 Bandwidth = 0.004958

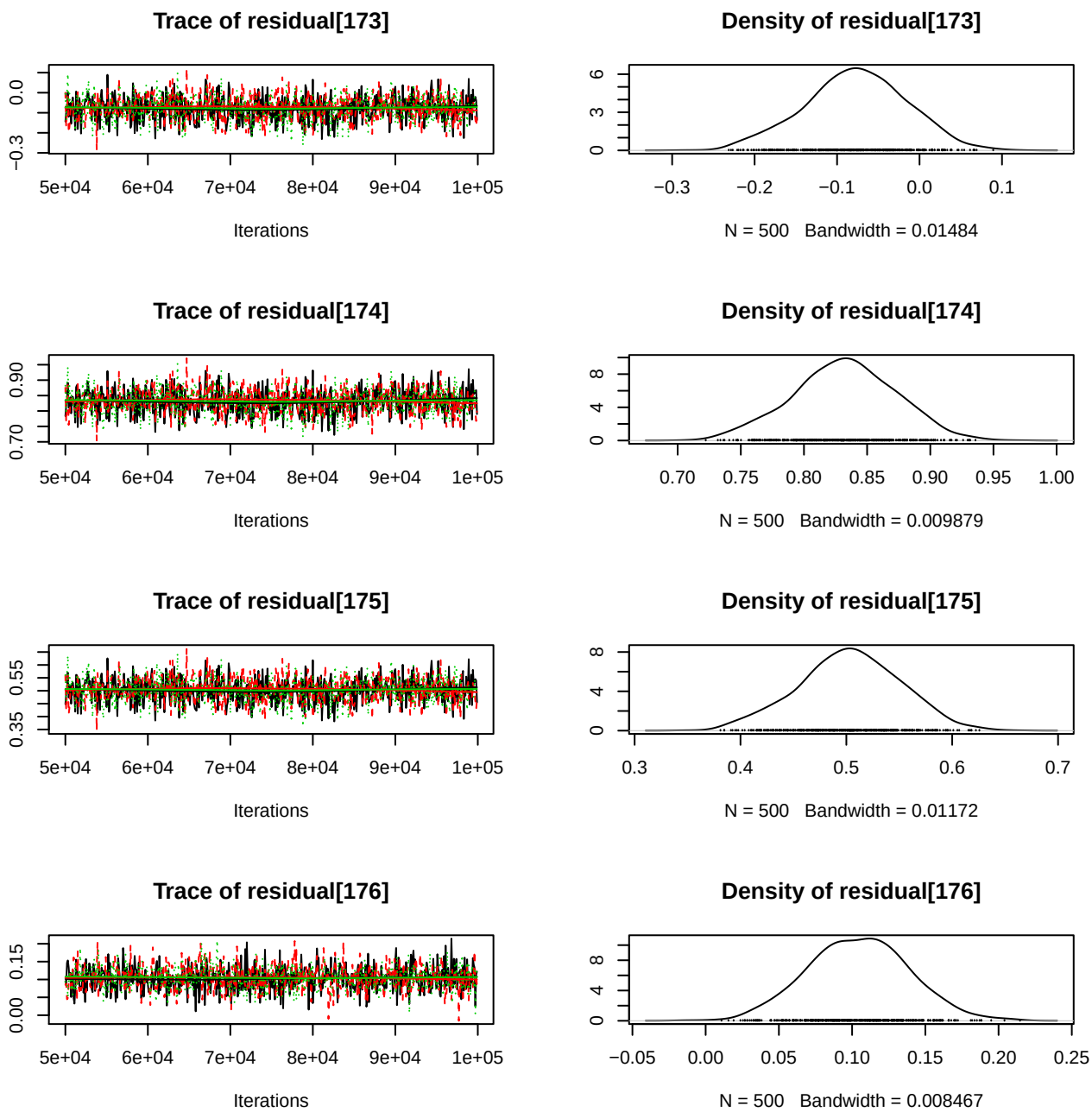

Trace of residual[155]
−0.18
−0.06
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[155]
0
10
−0.20
−0.15
−0.10
−0.05
N = 500 Bandwidth = 0.004968
Trace of residual[156]
−0.10
0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[156]
0
4
8
−0.10
−0.05
0.00
0.05
0.10
0.15
N = 500 Bandwidth = 0.007828
Trace of residual[157]
−0.10
0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[157]
0
4
8
−0.10
−0.05
0.00
0.05
0.10
0.15
N = 500 Bandwidth = 0.007834
Trace of residual[158]
−0.15
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[158]
0
4
8
−0.20
−0.15
−0.10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.007802

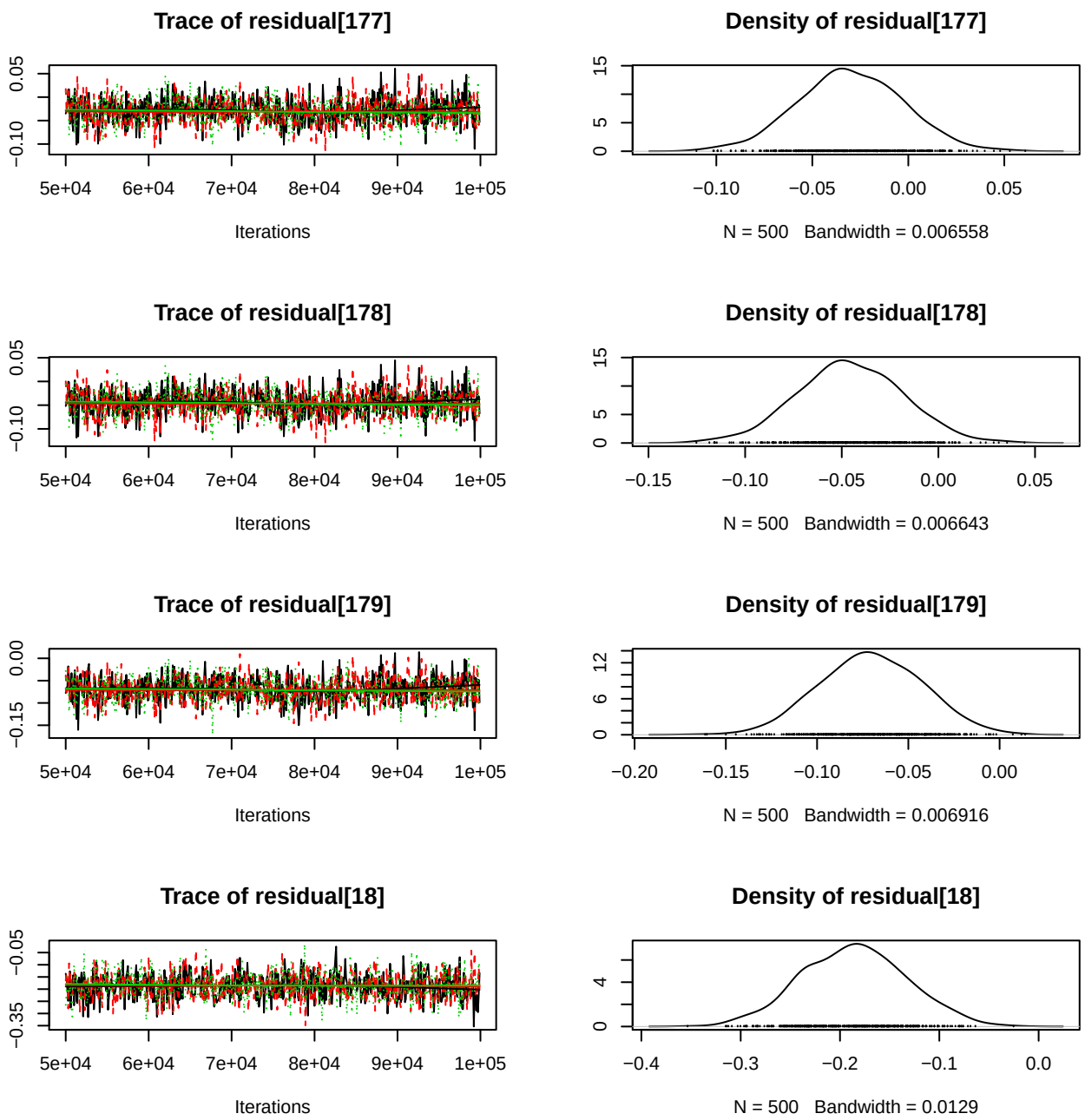

Trace of residual[159]
Iterations
Density of residual[159]
N = 500 Bandwidth = 0.007826
Trace of residual[16]
Iterations
Density of residual[16]
N = 500 Bandwidth = 0.01078
Trace of residual[160]
Iterations
Density of residual[160]
N = 500 Bandwidth = 0.007812
Trace of residual[161]
Iterations
Density of residual[161]
N = 500 Bandwidth = 0.00781

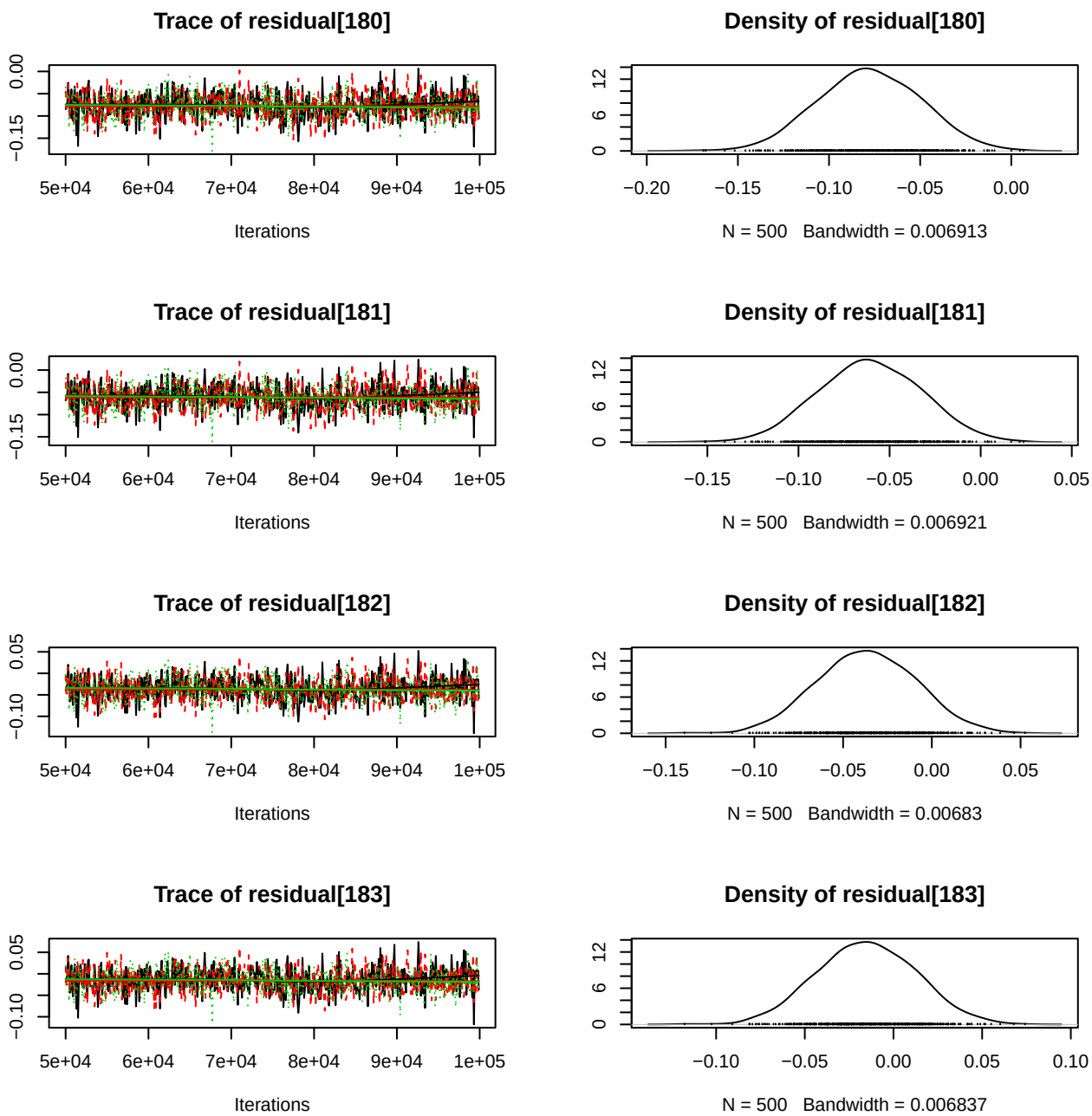

Trace of residual[162]
Iterations
Density of residual[162]
N = 500 Bandwidth = 0.007811
Trace of residual[163]
Iterations
Density of residual[163]
N = 500 Bandwidth = 0.007821
Trace of residual[164]
Iterations
Density of residual[164]
N = 500 Bandwidth = 0.007809
Trace of residual[165]
Iterations
Density of residual[165]
N = 500 Bandwidth = 0.007813

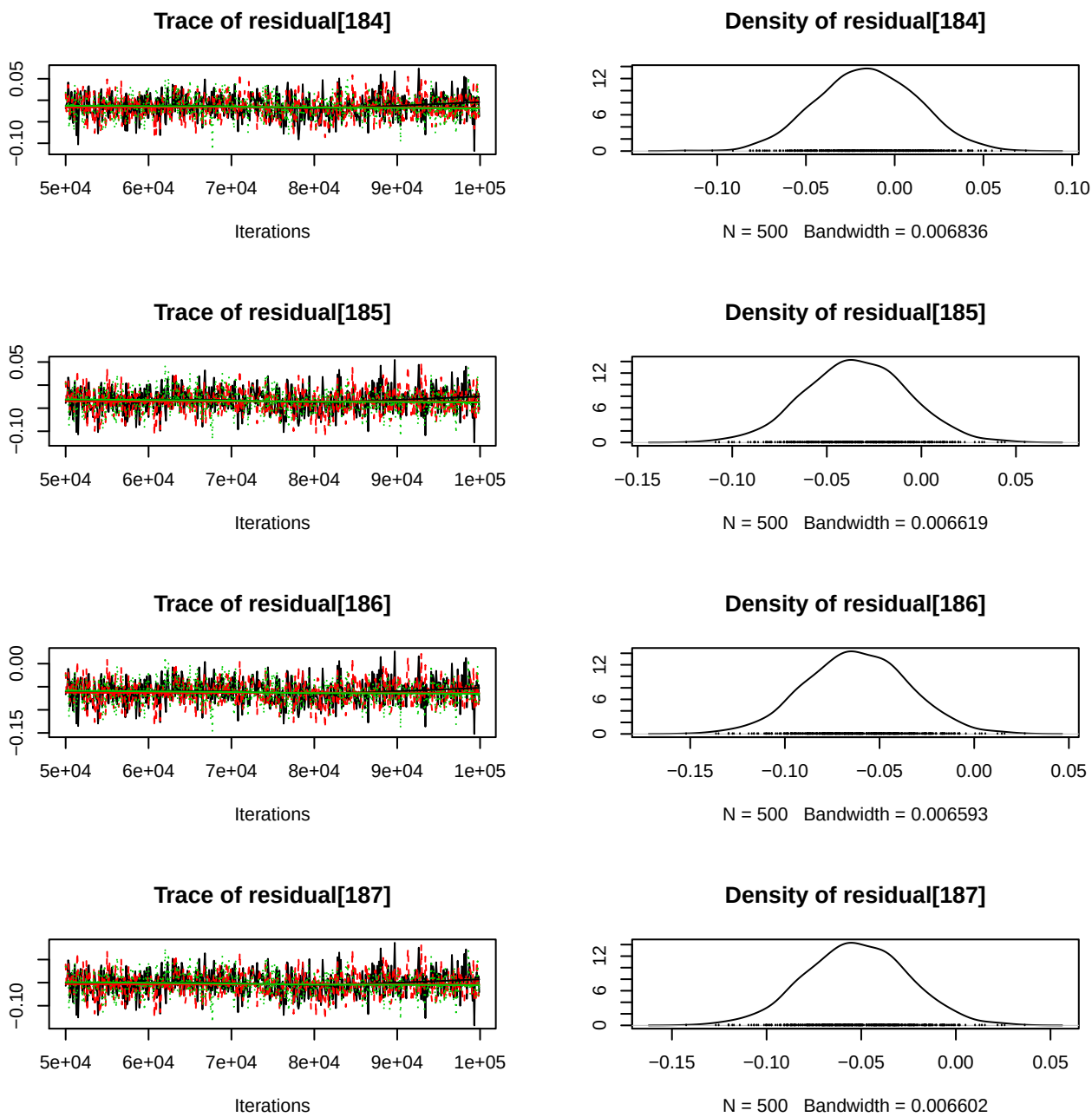

Trace of residual[166]
Density of residual[166]
Iterations
N = 500 Bandwidth = 0.007817
Trace of residual[167]
Density of residual[167]
Iterations
N = 500 Bandwidth = 0.007812
Trace of residual[168]
Density of residual[168]
Iterations
N = 500 Bandwidth = 0.007817
Trace of residual[169]
Density of residual[169]
Iterations
N = 500 Bandwidth = 0.003525

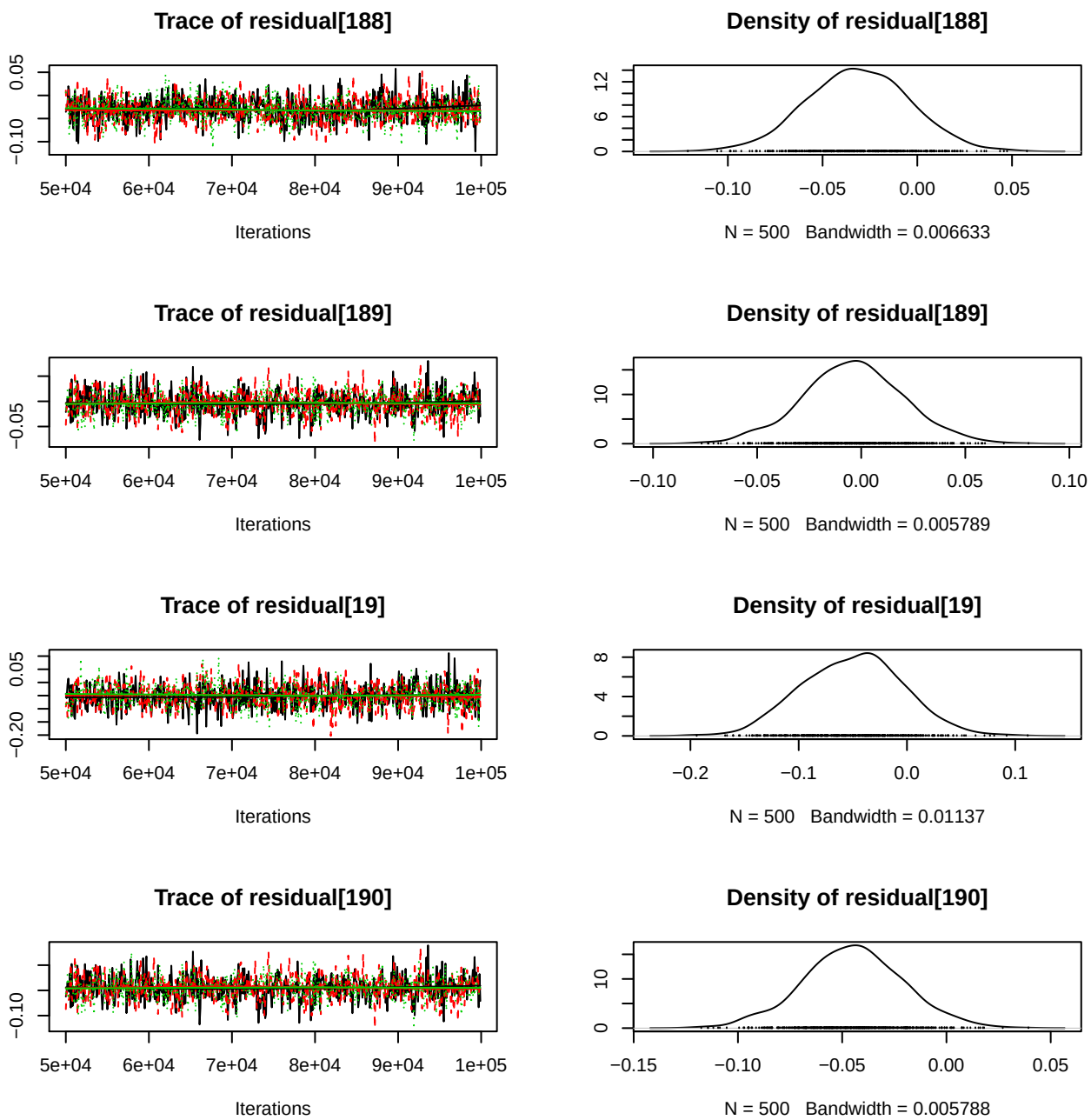

Trace of residual[17]
0.55
0.70
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[17]
0
6
12
0.55
0.60
0.65
0.70
N = 500 Bandwidth = 0.00647
Trace of residual[170]
−0.05
0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[170]
0
10
−0.05
0.00
0.05
0.10
N = 500 Bandwidth = 0.00608
Trace of residual[171]
0.05
0.20
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[171]
0
4
8
0.00
0.05
0.10
0.15
0.20
0.25
N = 500 Bandwidth = 0.007675
Trace of residual[172]
−0.3
0.0
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[172]
0
3
6
−0.3
−0.2
−0.1
0.0
0.1
N = 500 Bandwidth = 0.01486

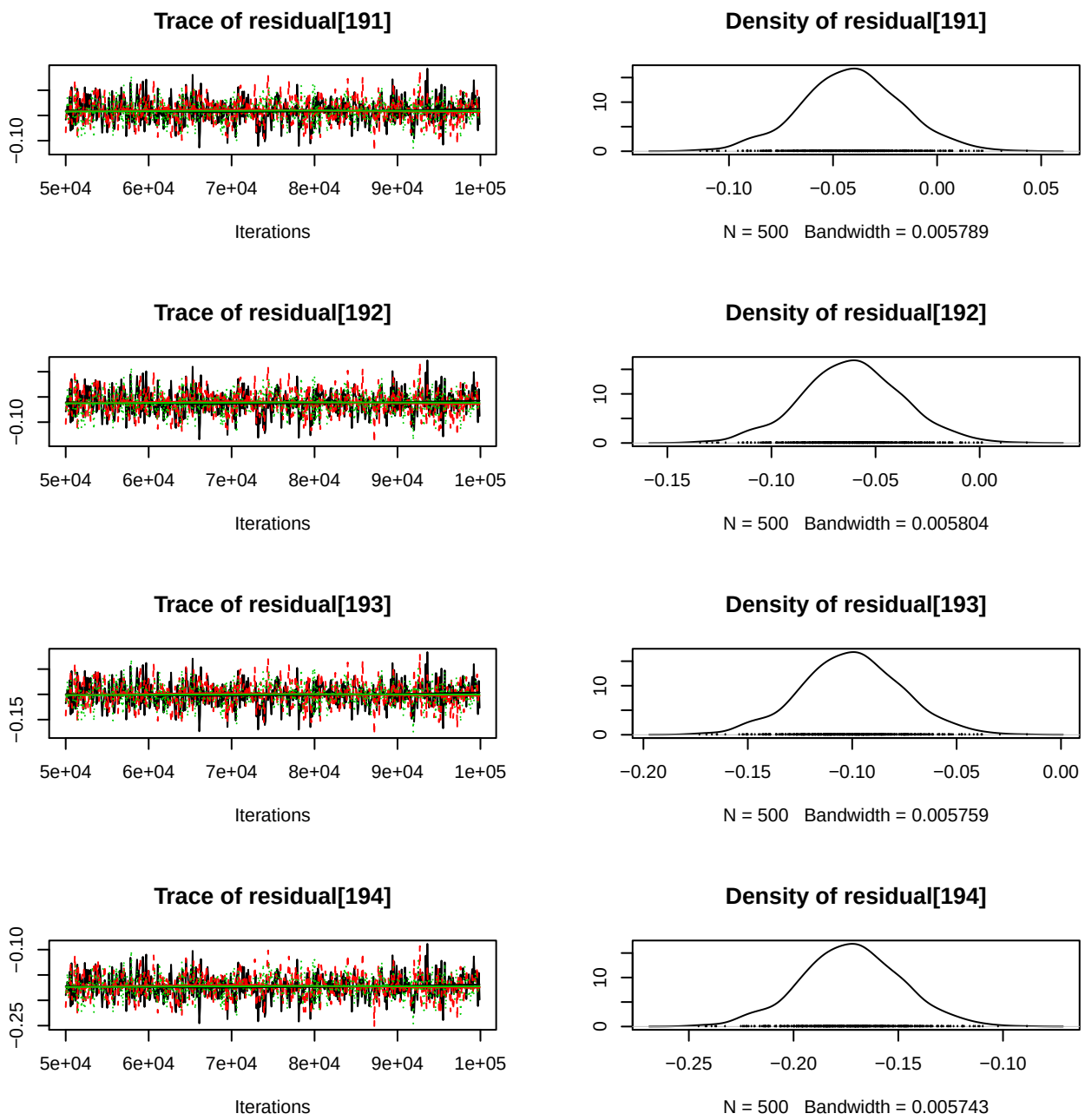

Trace of residual[173]
Iterations
Density of residual[173]
N = 500 Bandwidth = 0.01484
Trace of residual[174]
Iterations
Density of residual[174]
N = 500 Bandwidth = 0.009879
Trace of residual[175]
Iterations
Density of residual[175]
N = 500 Bandwidth = 0.01172
Trace of residual[176]
Iterations
Density of residual[176]
N = 500 Bandwidth = 0.008467

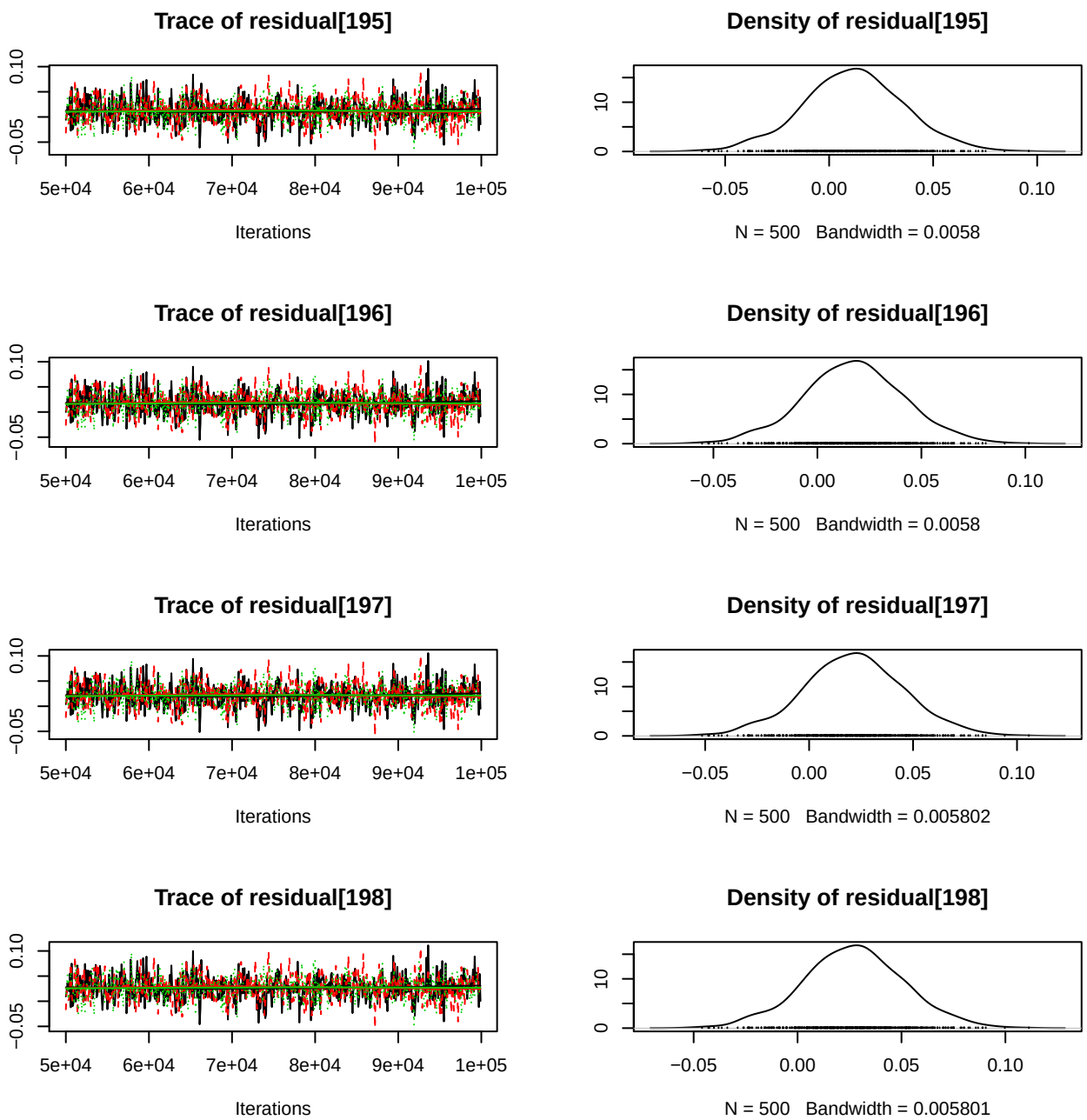

Trace of residual[177]
Iterations
Density of residual[177]
N = 500 Bandwidth = 0.006558
Trace of residual[178]
Iterations
Density of residual[178]
N = 500 Bandwidth = 0.006643
Trace of residual[179]
Iterations
Density of residual[179]
N = 500 Bandwidth = 0.006916
Trace of residual[18]
Iterations
Density of residual[18]
N = 500 Bandwidth = 0.0129

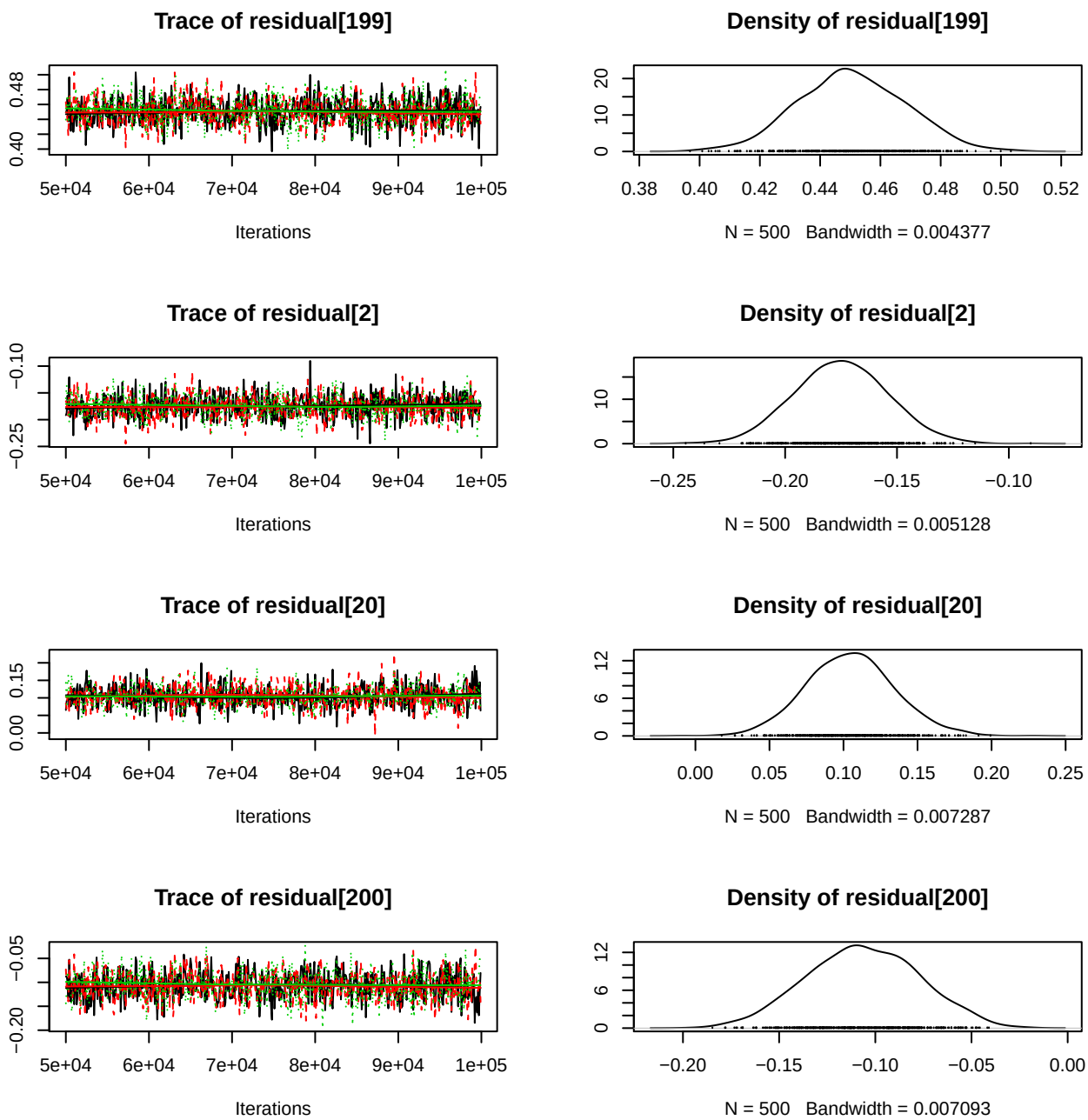

Trace of residual[180]
Iterations
Density of residual[180]
N = 500 Bandwidth = 0.006913
Trace of residual[181]
Iterations
Density of residual[181]
N = 500 Bandwidth = 0.006921
Trace of residual[182]
Iterations
Density of residual[182]
N = 500 Bandwidth = 0.00683
Trace of residual[183]
Iterations
Density of residual[183]
N = 500 Bandwidth = 0.006837

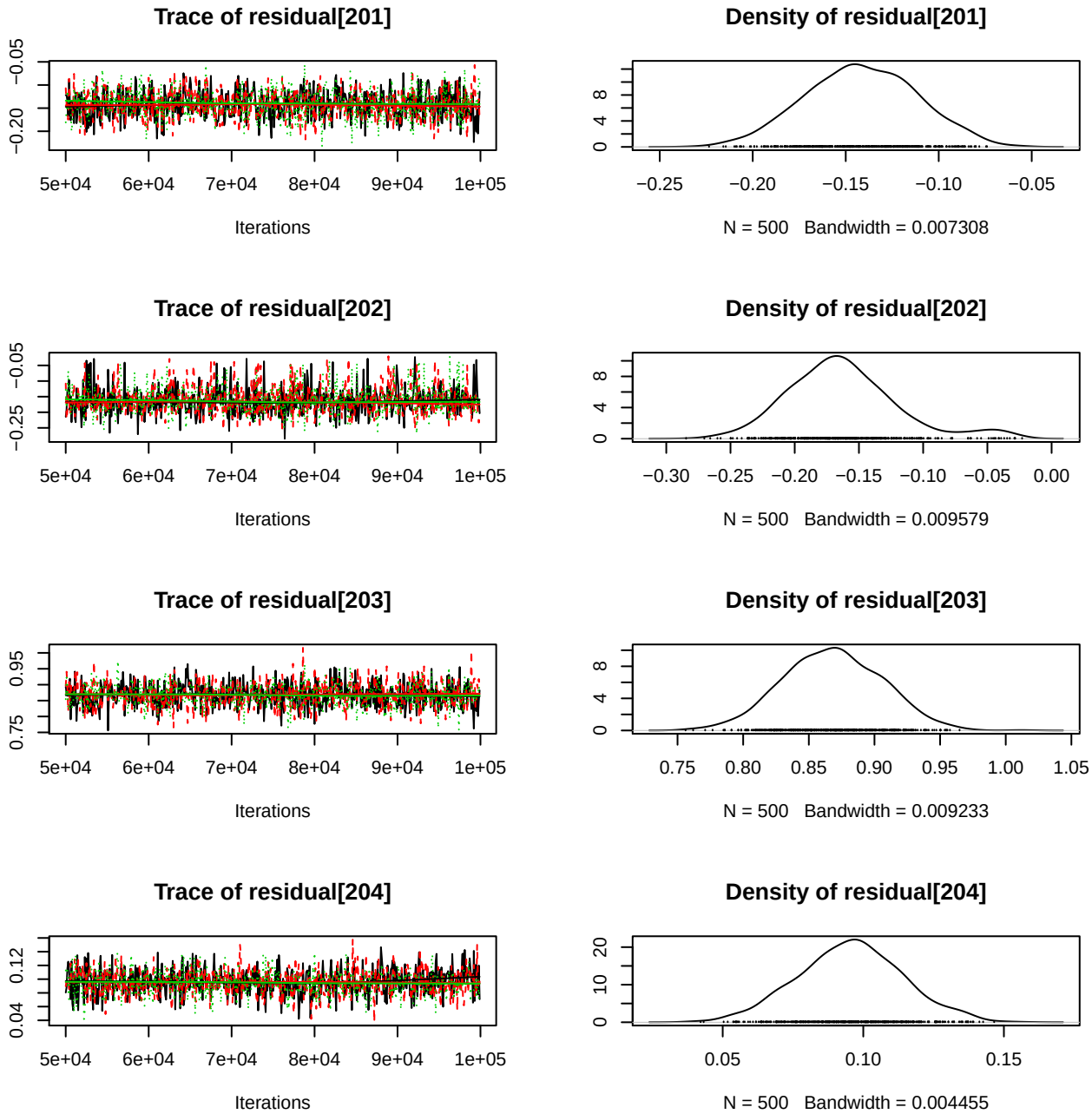

Trace of residual[184]
Iterations
Density of residual[184]
N = 500 Bandwidth = 0.006836
Trace of residual[185]
Iterations
Density of residual[185]
N = 500 Bandwidth = 0.006619
Trace of residual[186]
Iterations
Density of residual[186]
N = 500 Bandwidth = 0.006593
Trace of residual[187]
Iterations
Density of residual[187]
N = 500 Bandwidth = 0.006602

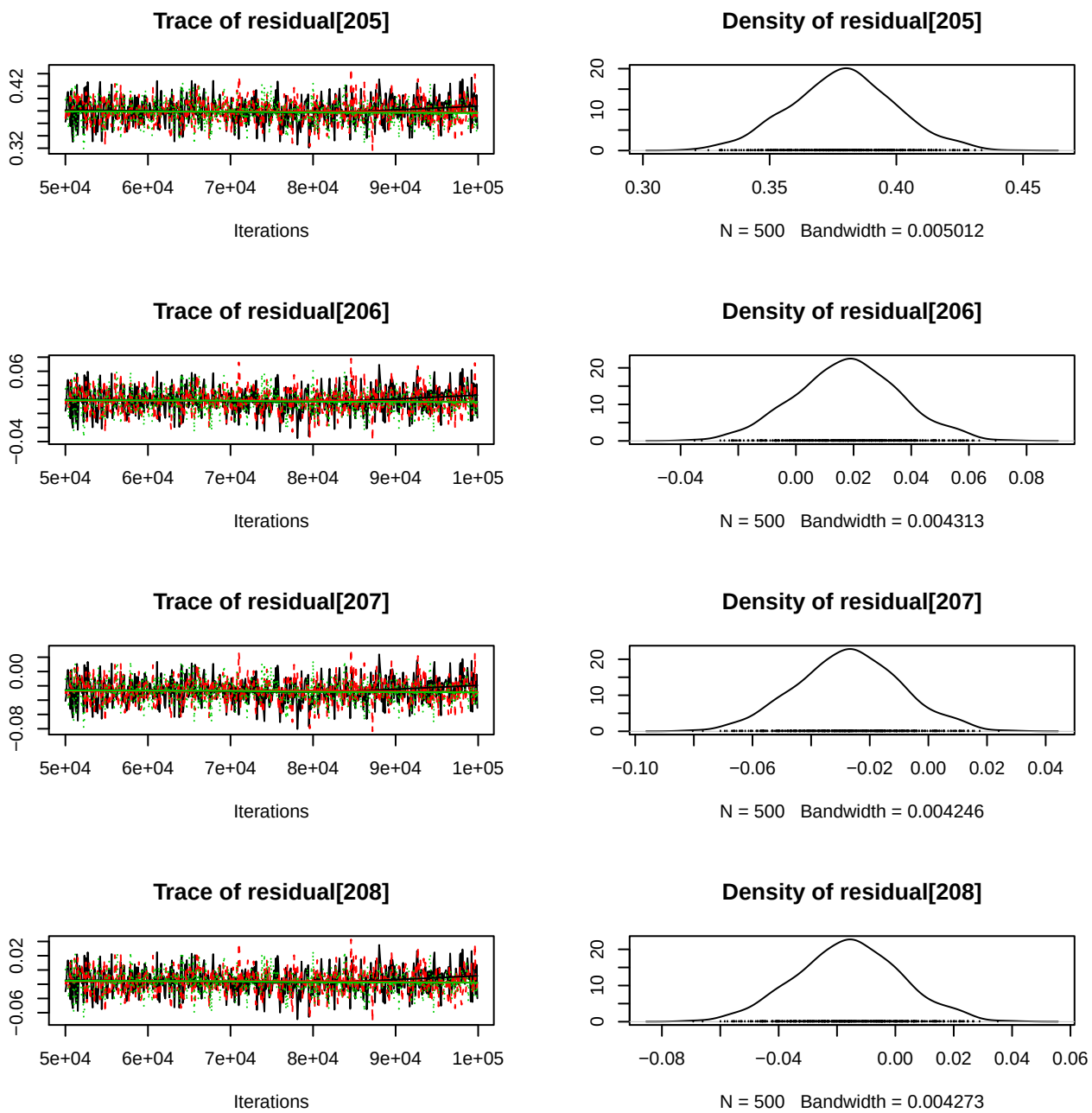

Trace of residual[188]
Iterations
Density of residual[188]
N = 500 Bandwidth = 0.006633
Trace of residual[189]
Iterations
Density of residual[189]
N = 500 Bandwidth = 0.005789
Trace of residual[19]
Iterations
Density of residual[19]
N = 500 Bandwidth = 0.01137
Trace of residual[190]
Iterations
Density of residual[190]
N = 500 Bandwidth = 0.005788

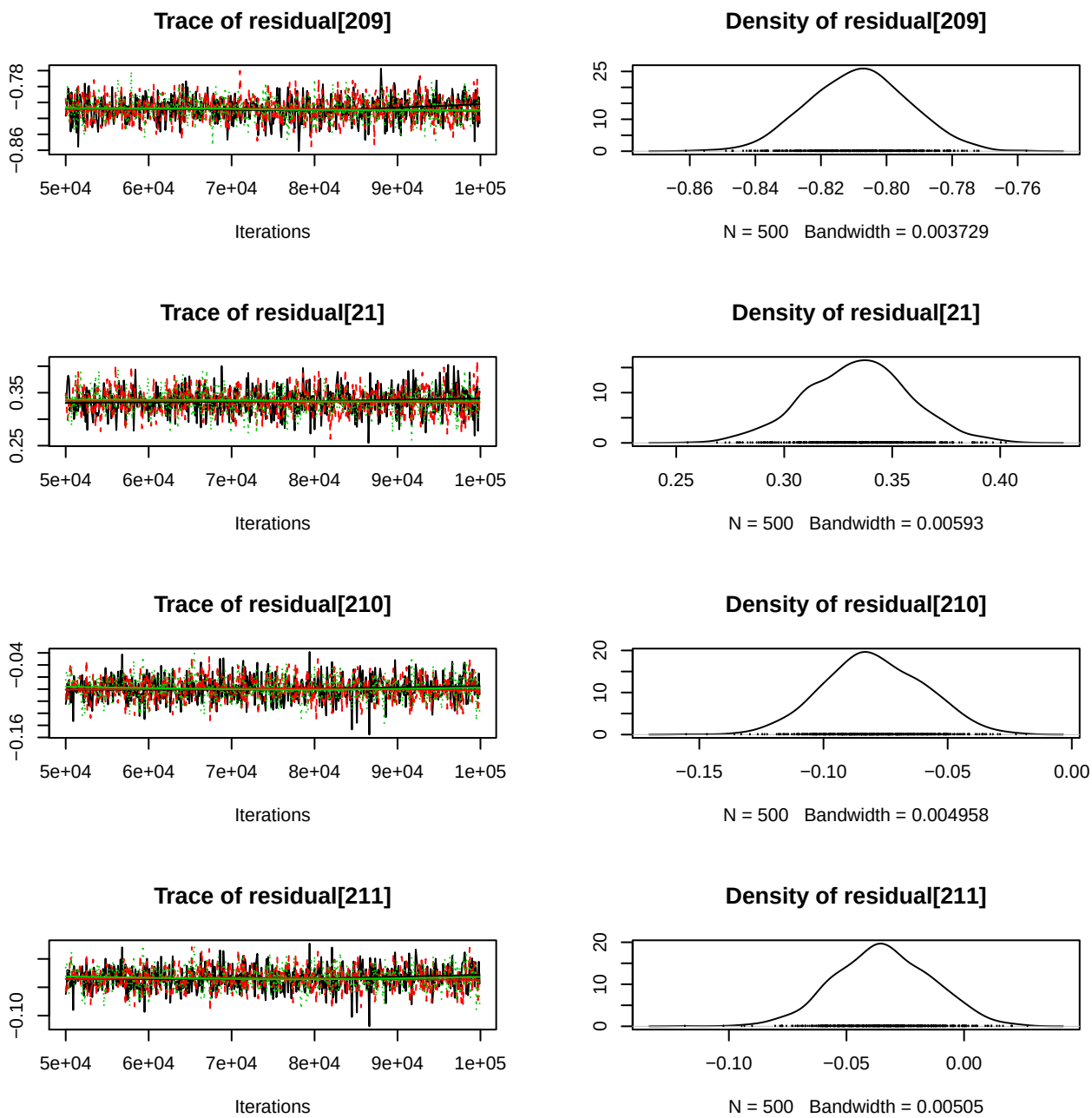

Trace of residual[191]
−0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[191]
0
10
−0.10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.005789
Trace of residual[192]
−0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[192]
0
10
−0.15
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.005804
Trace of residual[193]
−0.15
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[193]
0
10
−0.20
−0.15
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.005759
Trace of residual[194]
−0.10
−0.25
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[194]
0
10
−0.25
−0.20
−0.15
−0.10
N = 500 Bandwidth = 0.005743

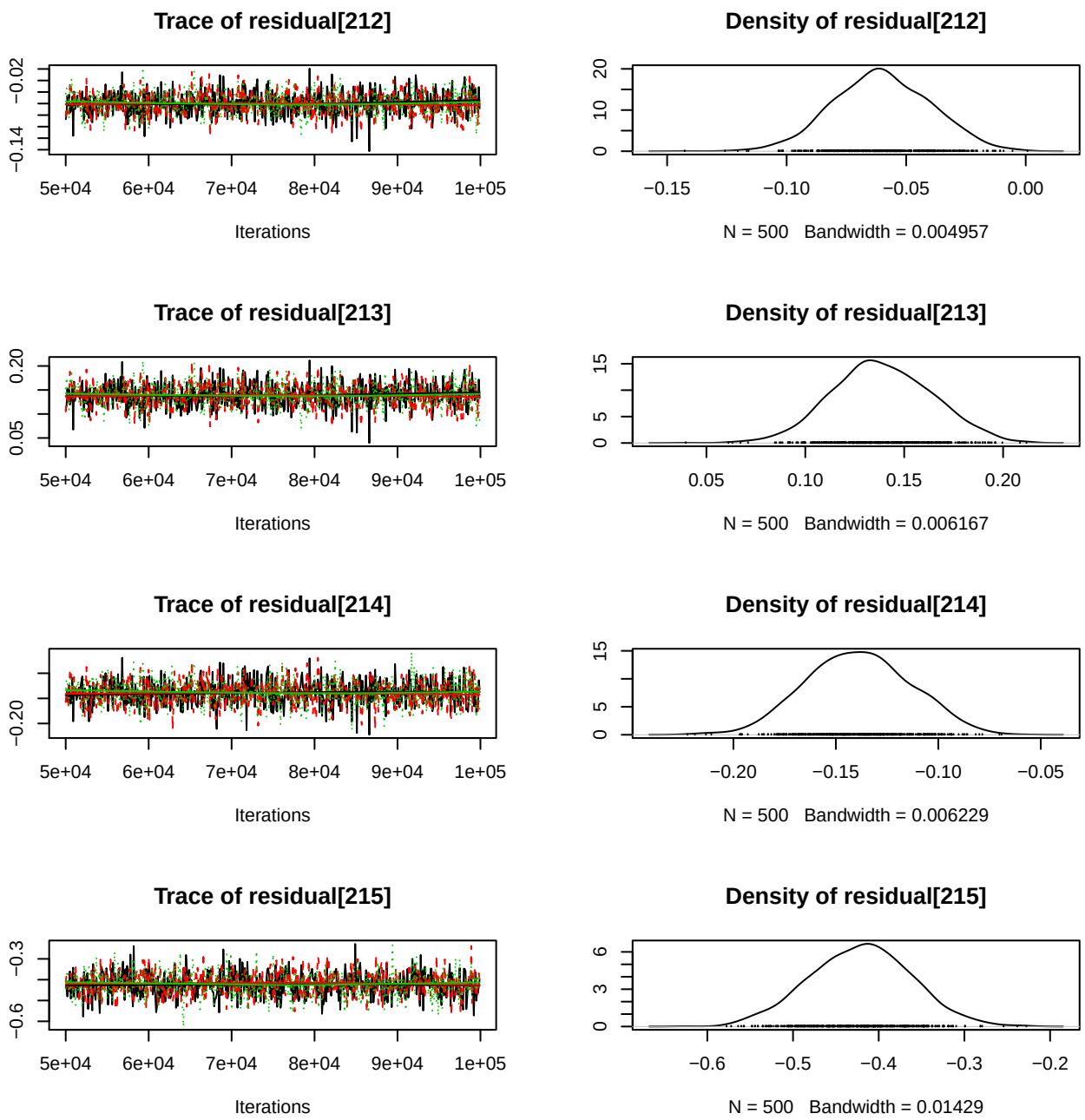

Trace of residual[195]
Density of residual[195]
Iterations
N = 500 Bandwidth = 0.0058
Trace of residual[196]
Density of residual[196]
Iterations
N = 500 Bandwidth = 0.0058
Trace of residual[197]
Density of residual[197]
Iterations
N = 500 Bandwidth = 0.005802
Trace of residual[198]
Density of residual[198]
Iterations
N = 500 Bandwidth = 0.005801

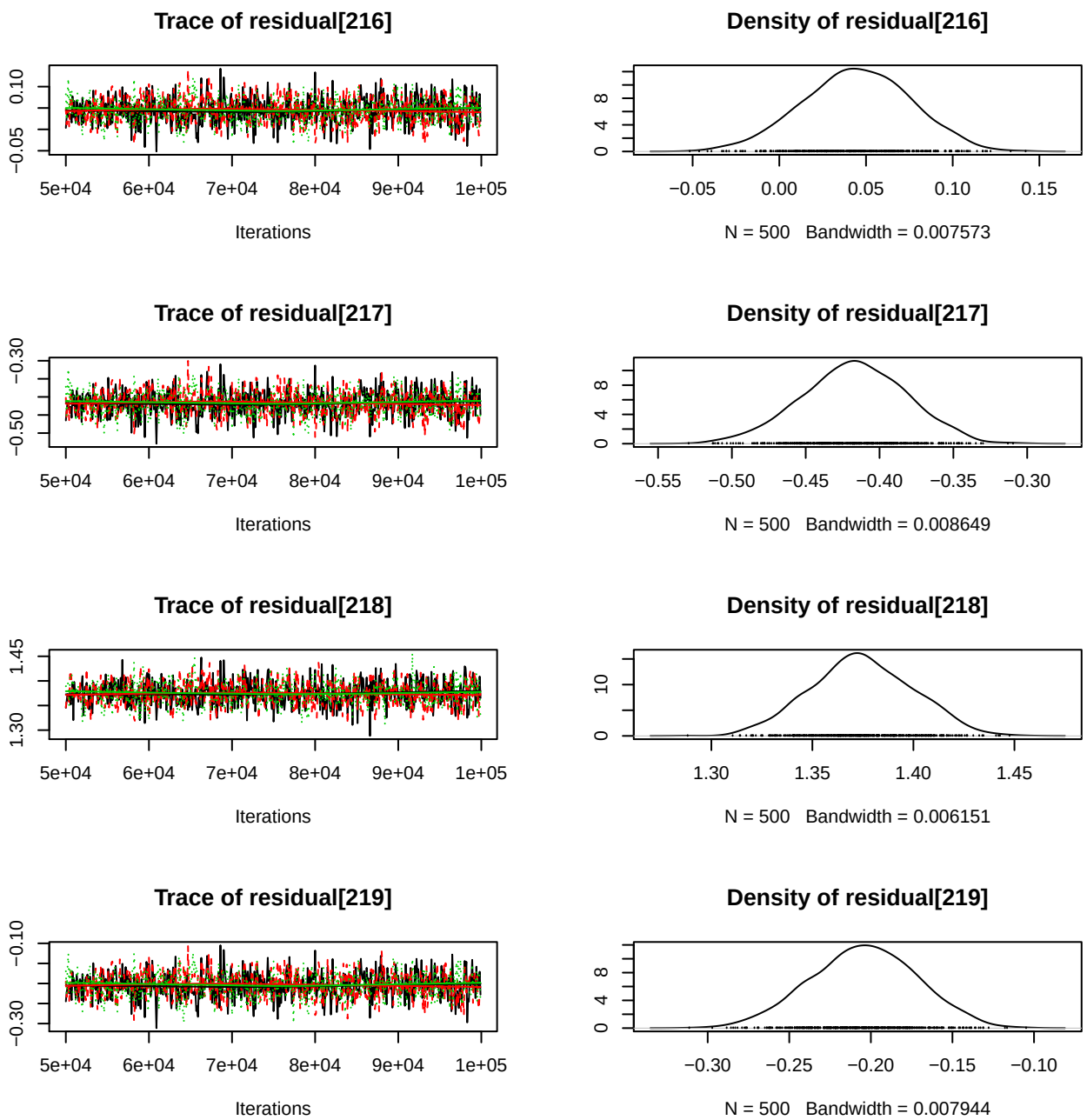

Trace of residual[199]
0.40
0.48
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[199]
0
10
20
0.38
0.40
0.42
0.44
0.46
0.48
0.50
0.52
N = 500 Bandwidth = 0.004377
Trace of residual[2]
−0.25
−0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[2]
0
10
−0.25
−0.20
−0.15
−0.10
N = 500 Bandwidth = 0.005128
Trace of residual[20]
0.00
0.15
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[20]
0
6
12
0.00
0.05
0.10
0.15
0.20
0.25
N = 500 Bandwidth = 0.007287
Trace of residual[200]
−0.20
−0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[200]
0
6
12
−0.20
−0.15
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.007093

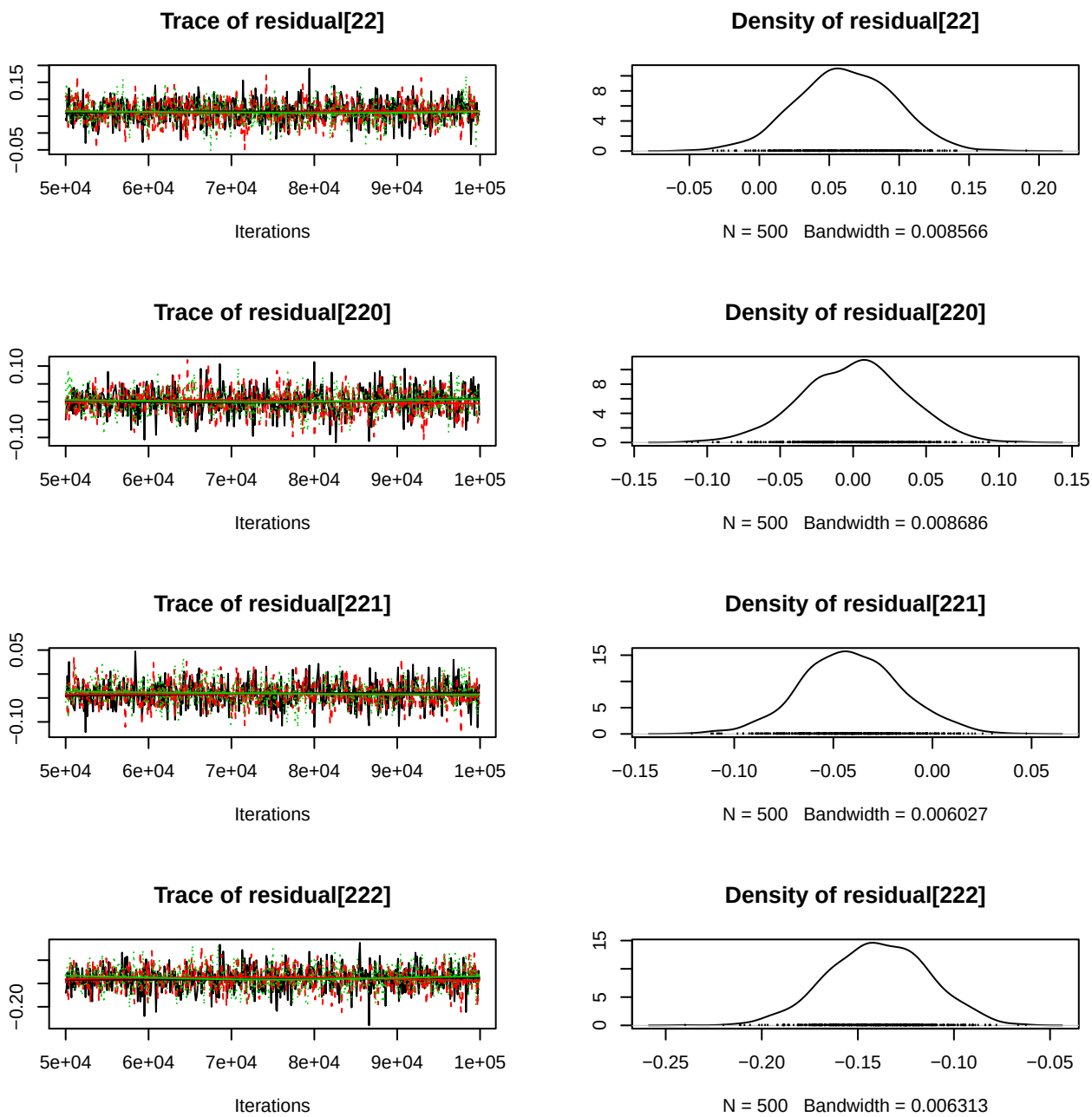

Trace of residual[201]
−0.20
−0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[201]
0
4
8
−0.25
−0.20
−0.15
−0.10
−0.05
N = 500 Bandwidth = 0.007308
Trace of residual[202]
−0.25
−0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[202]
0
4
8
−0.30
−0.25
−0.20
−0.15
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.009579
Trace of residual[203]
0.75
0.95
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[203]
0
4
8
0.75
0.80
0.85
0.90
0.95
1.00
1.05
N = 500 Bandwidth = 0.009233
Trace of residual[204]
0.04
0.12
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[204]
0
10
20
0.05
0.10
0.15
N = 500 Bandwidth = 0.004455

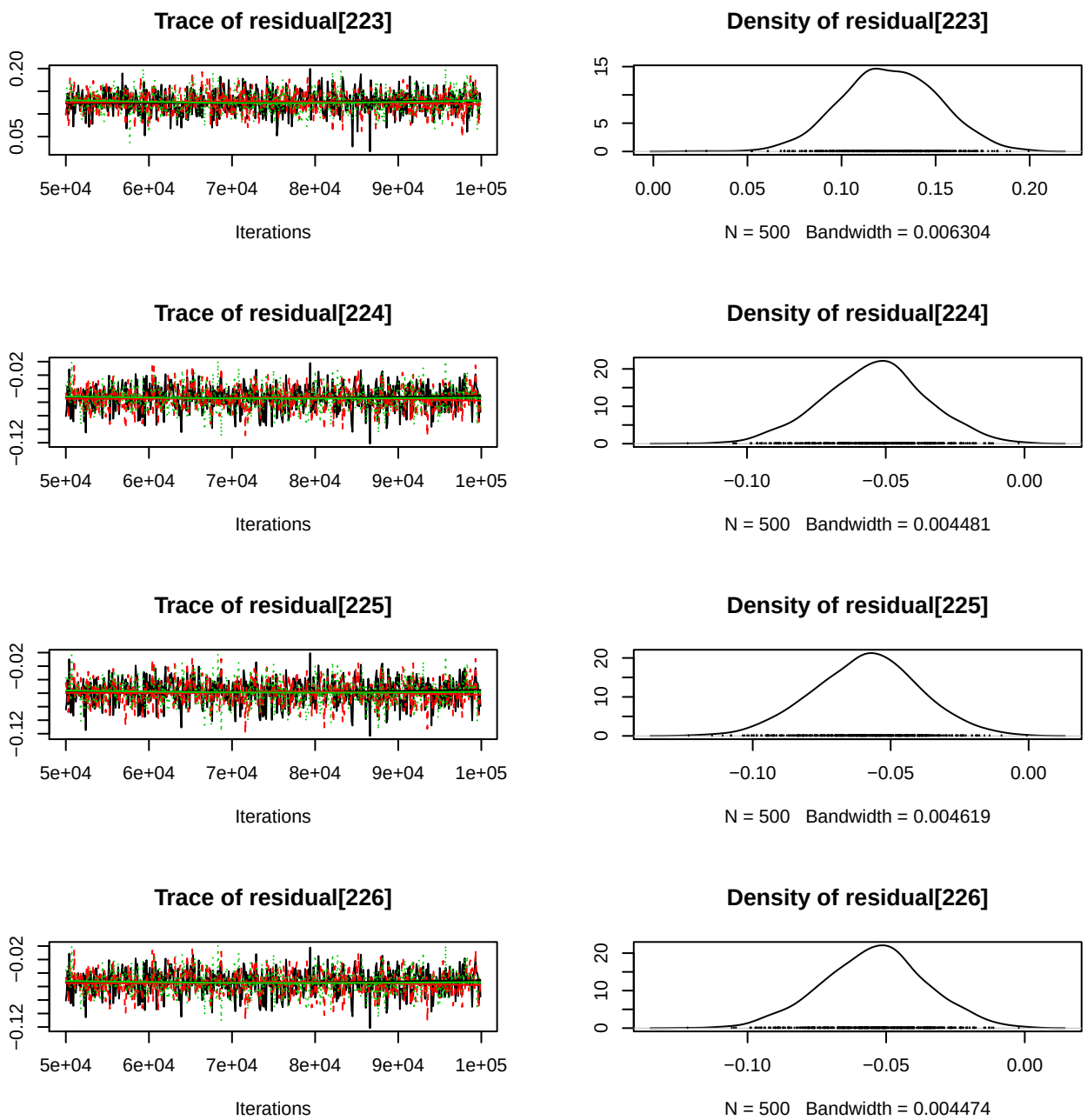

Trace of residual[205]
0.32
0.42
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[205]
0
10
20
0.30
0.35
0.40
0.45
N = 500 Bandwidth = 0.005012
Trace of residual[206]
−0.04
0.06
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[206]
0
10
20
−0.04
0.00
0.02
0.04
0.06
0.08
N = 500 Bandwidth = 0.004313
Trace of residual[207]
−0.08
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[207]
0
10
20
−0.10
−0.06
−0.02
0.00
0.02
0.04
N = 500 Bandwidth = 0.004246
Trace of residual[208]
−0.06
0.02
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[208]
0
10
20
−0.08
−0.04
0.00
0.02
0.04
0.06
N = 500 Bandwidth = 0.004273

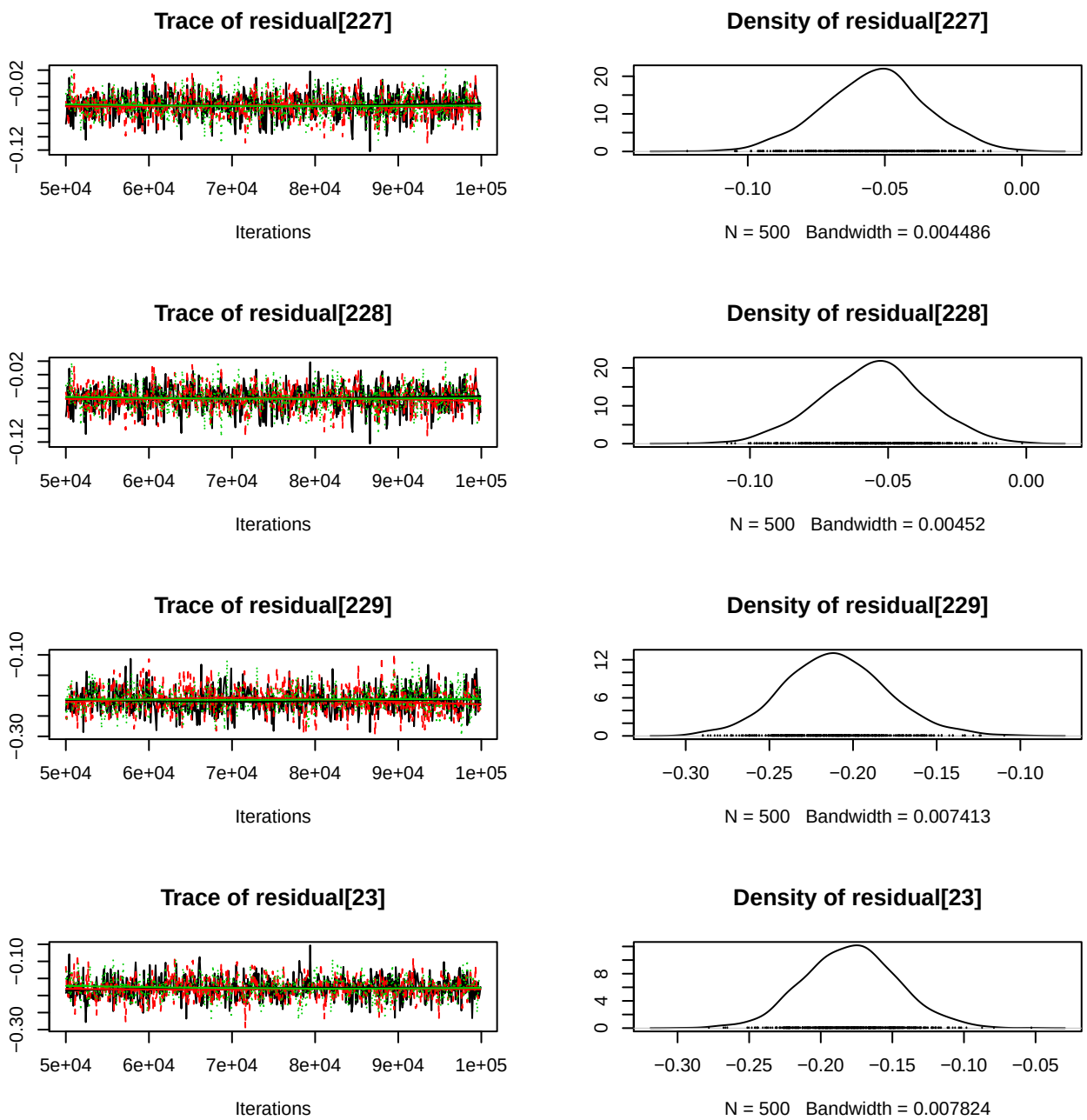

Trace of residual[209]
−0.86
−0.78
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[209]
0
10
25
−0.86
−0.84
−0.82
−0.80
−0.78
−0.76
N = 500 Bandwidth = 0.003729
Trace of residual[21]
0.25
0.35
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[21]
0
10
0.25
0.30
0.35
0.40
N = 500 Bandwidth = 0.00593
Trace of residual[210]
−0.16
−0.04
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[210]
0
10
20
−0.15
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.004958
Trace of residual[211]
−0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[211]
0
10
20
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.00505

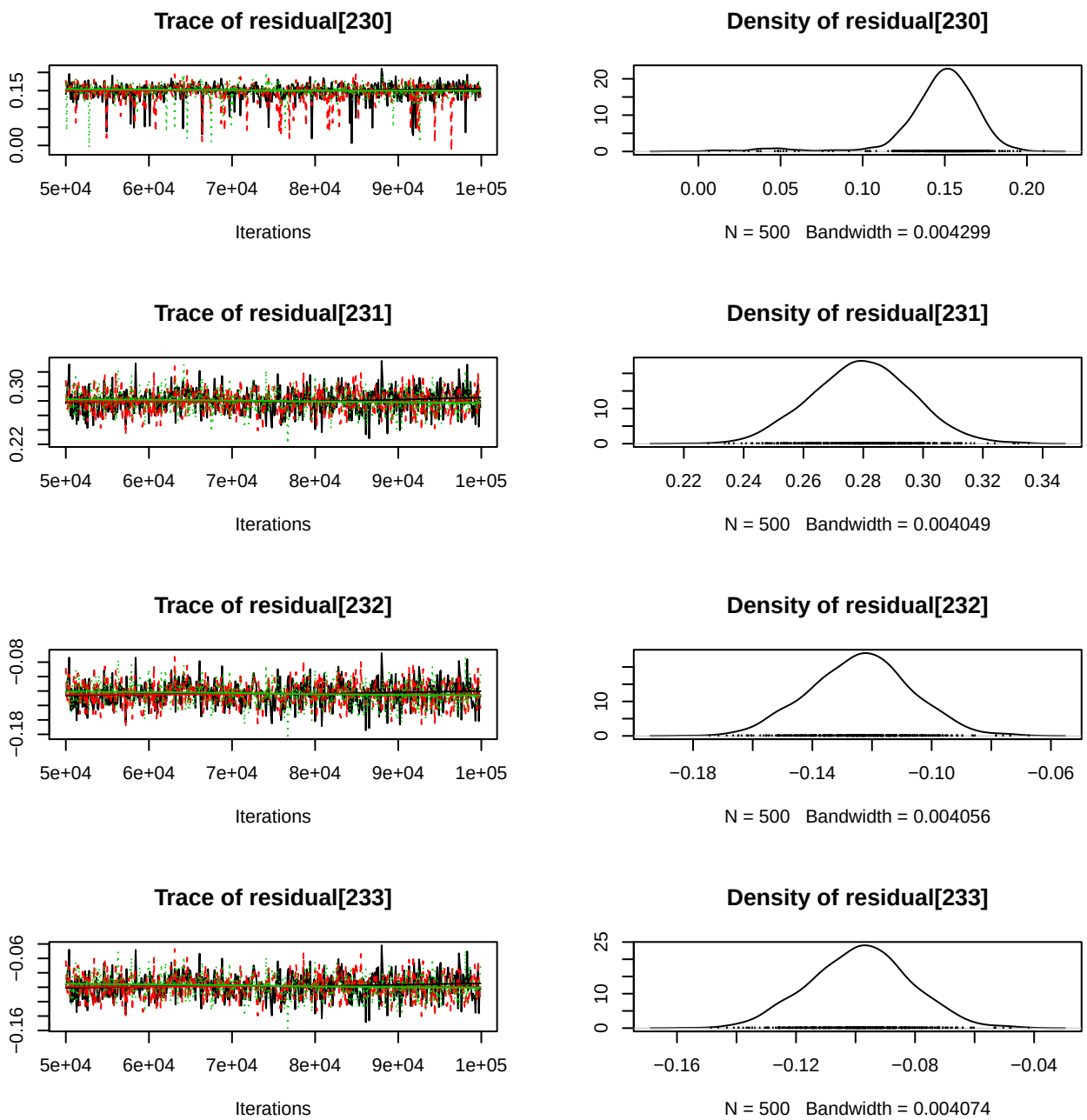

Trace of residual[212]
−0.14
−0.02
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[212]
0
10
20
−0.15
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.004957
Trace of residual[213]
0.05
0.20
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[213]
0
5
15
0.05
0.10
0.15
0.20
N = 500 Bandwidth = 0.006167
Trace of residual[214]
−0.20
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[214]
0
5
15
−0.20
−0.15
−0.10
−0.05
N = 500 Bandwidth = 0.006229
Trace of residual[215]
−0.6
−0.3
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[215]
0
3
6
−0.6
−0.5
−0.4
−0.3
−0.2
N = 500 Bandwidth = 0.01429

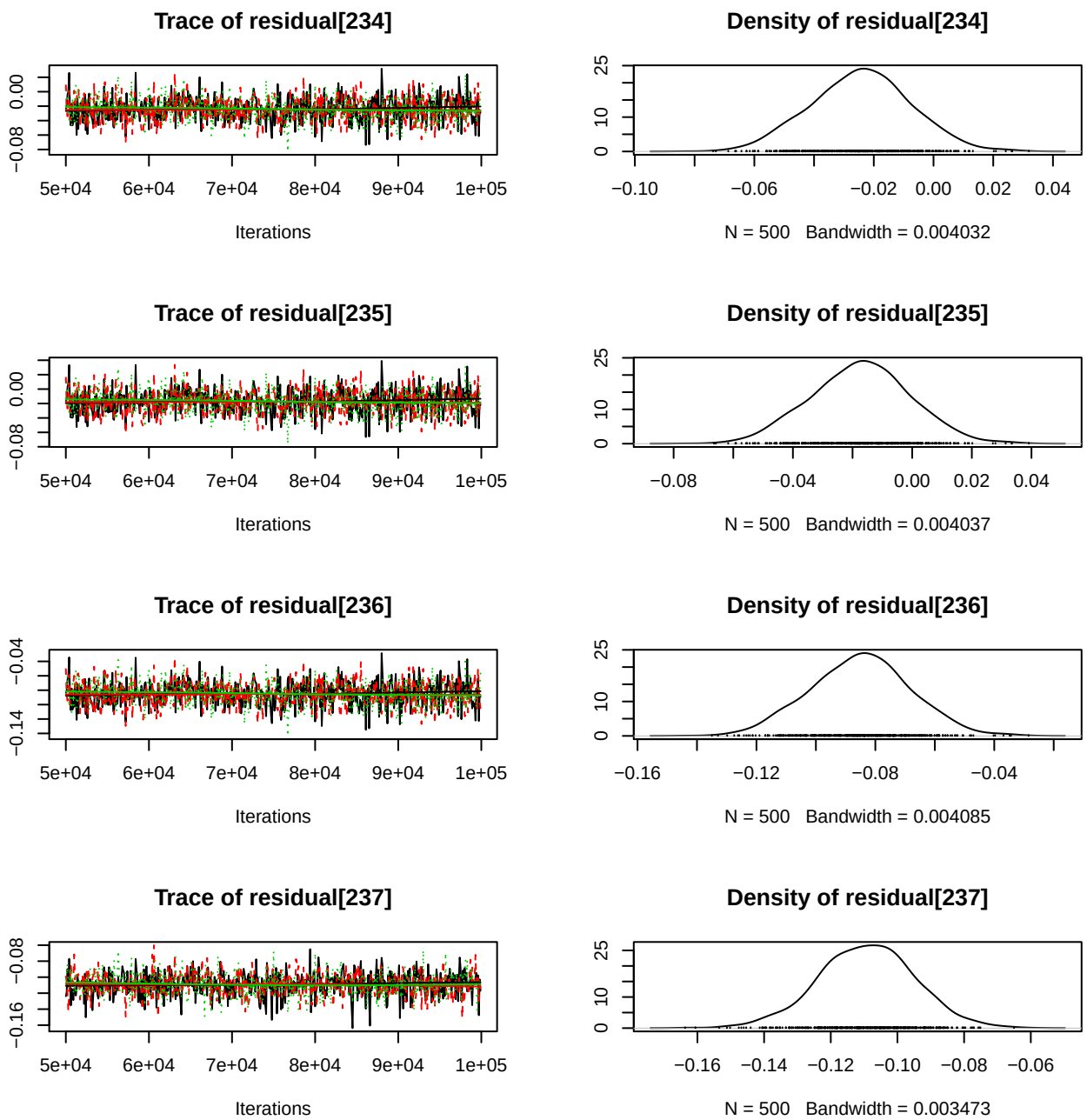

Trace of residual[216]
Iterations
Density of residual[216]
N = 500 Bandwidth = 0.007573
Trace of residual[217]
Iterations
Density of residual[217]
N = 500 Bandwidth = 0.008649
Trace of residual[218]
Iterations
Density of residual[218]
N = 500 Bandwidth = 0.006151
Trace of residual[219]
Iterations
Density of residual[219]
N = 500 Bandwidth = 0.007944

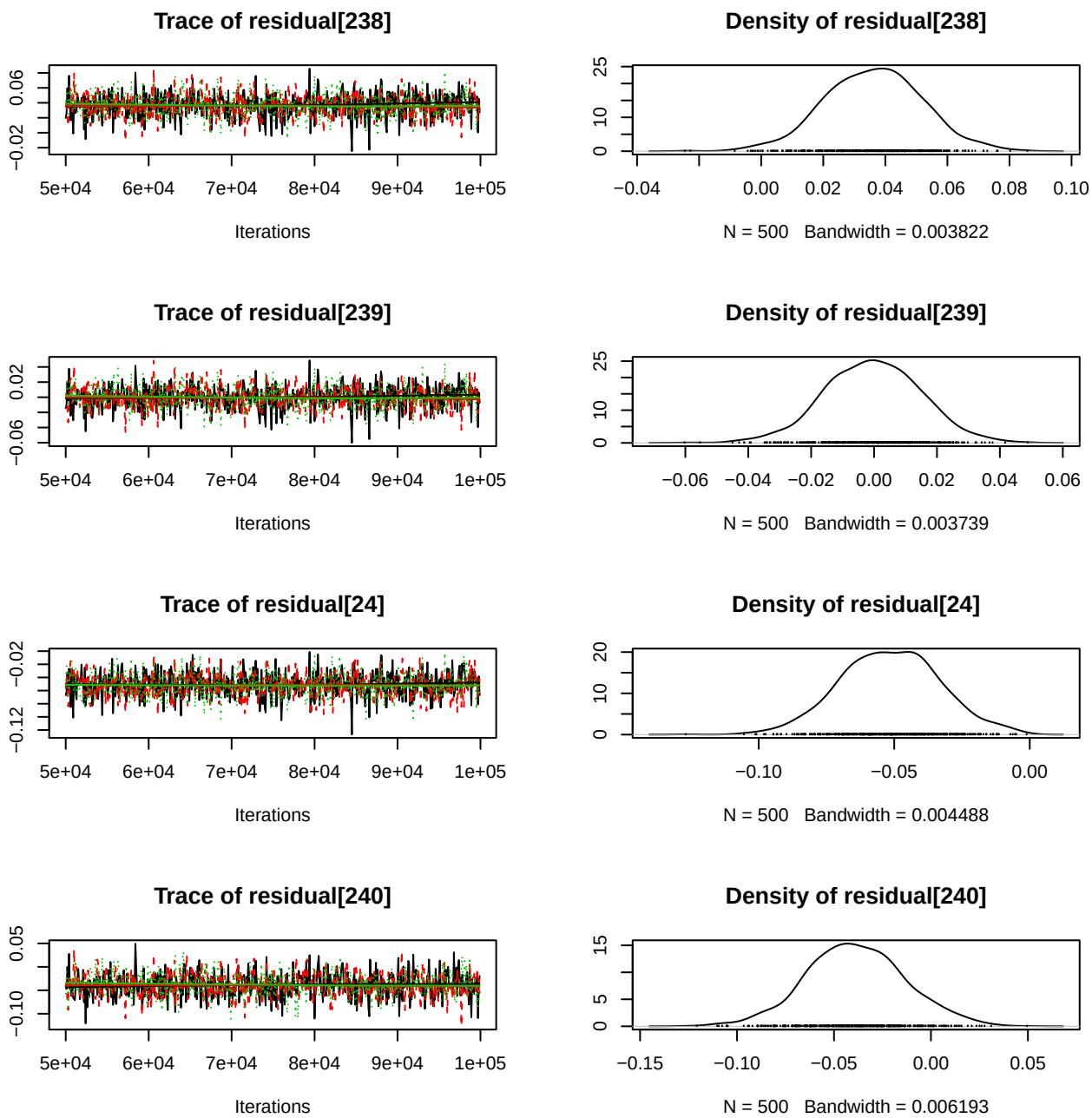

Trace of residual[22]
Iterations
Density of residual[22]
N = 500 Bandwidth = 0.008566
Trace of residual[220]
Iterations
Density of residual[220]
N = 500 Bandwidth = 0.008686
Trace of residual[221]
Iterations
Density of residual[221]
N = 500 Bandwidth = 0.006027
Trace of residual[222]
Iterations
Density of residual[222]
N = 500 Bandwidth = 0.006313

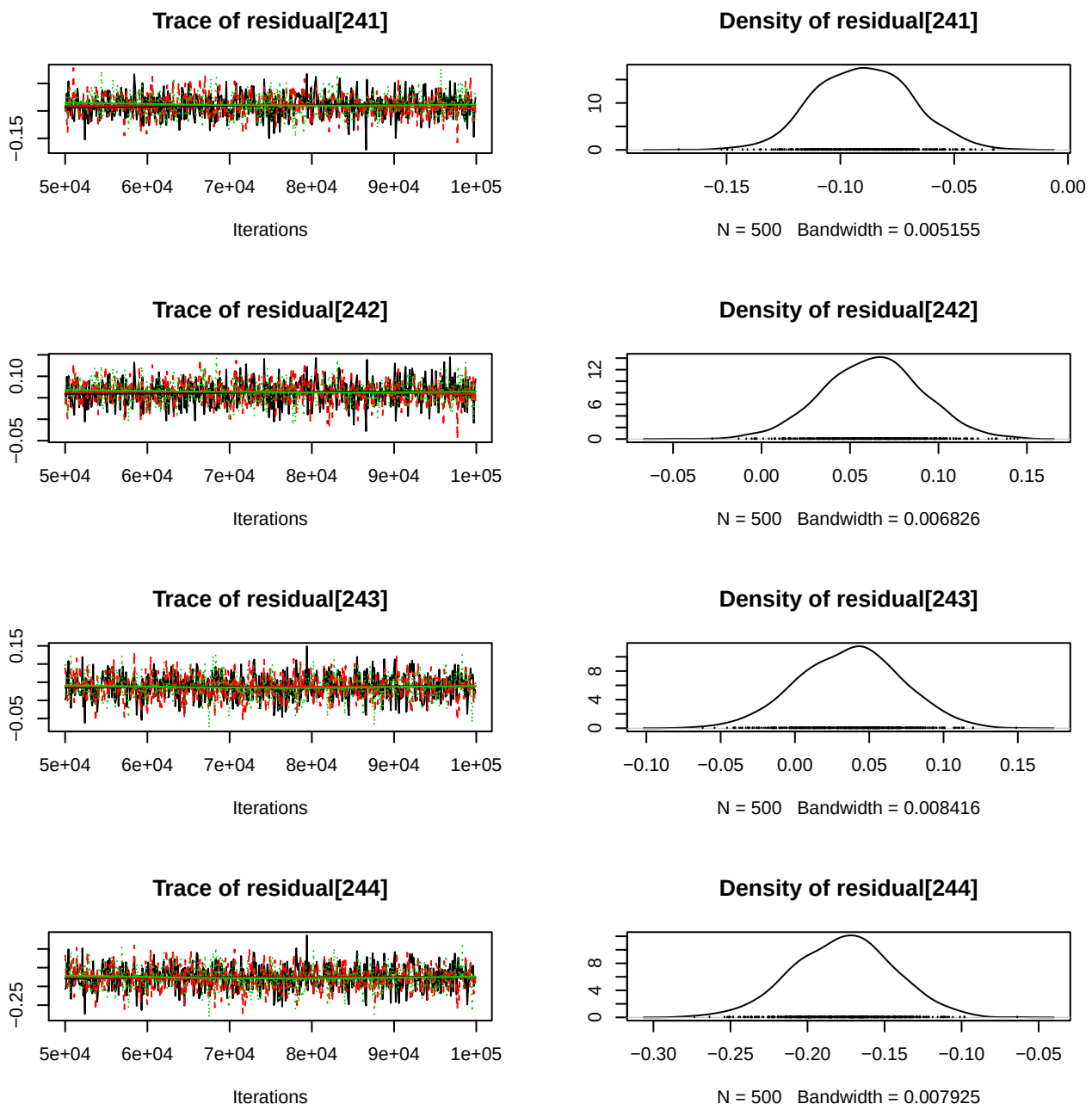

Trace of residual[223]
0.05
0.20
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[223]
0
5
15
0.00
0.05
0.10
0.15
0.20
N = 500 Bandwidth = 0.006304
Trace of residual[224]
−0.12
−0.02
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[224]
0
10
20
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.004481
Trace of residual[225]
−0.12
−0.02
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[225]
0
10
20
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.004619
Trace of residual[226]
−0.12
−0.02
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[226]
0
10
20
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.004474

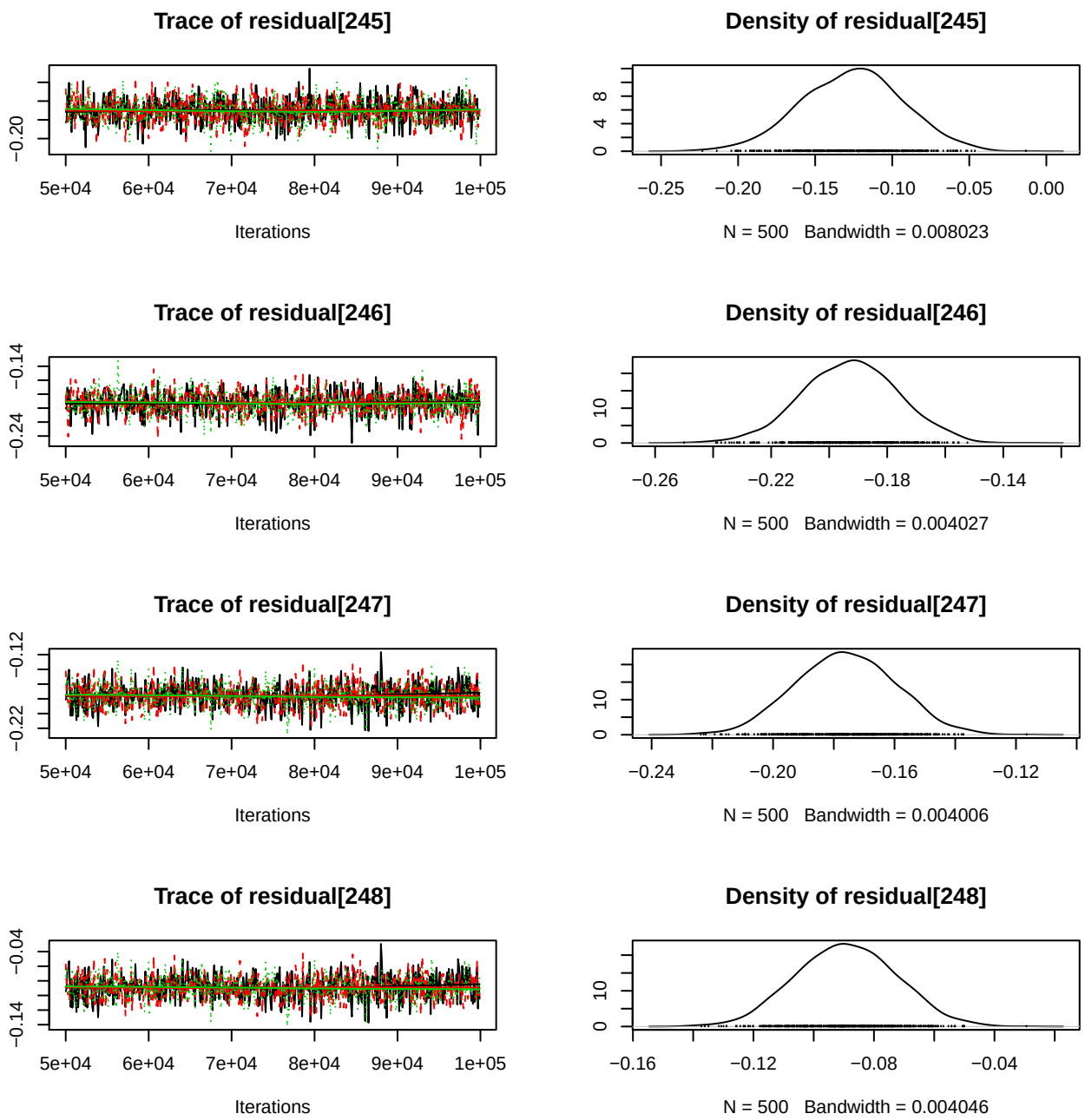

Trace of residual[227]
−0.12
−0.02
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[227]
0
10
20
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.004486
Trace of residual[228]
−0.12
−0.02
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[228]
0
10
20
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.00452
Trace of residual[229]
−0.30
−0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[229]
0
6
12
−0.30
−0.25
−0.20
−0.15
−0.10
N = 500 Bandwidth = 0.007413
Trace of residual[23]
−0.30
−0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[23]
0
4
8
−0.30
−0.25
−0.20
−0.15
−0.10
−0.05
N = 500 Bandwidth = 0.007824

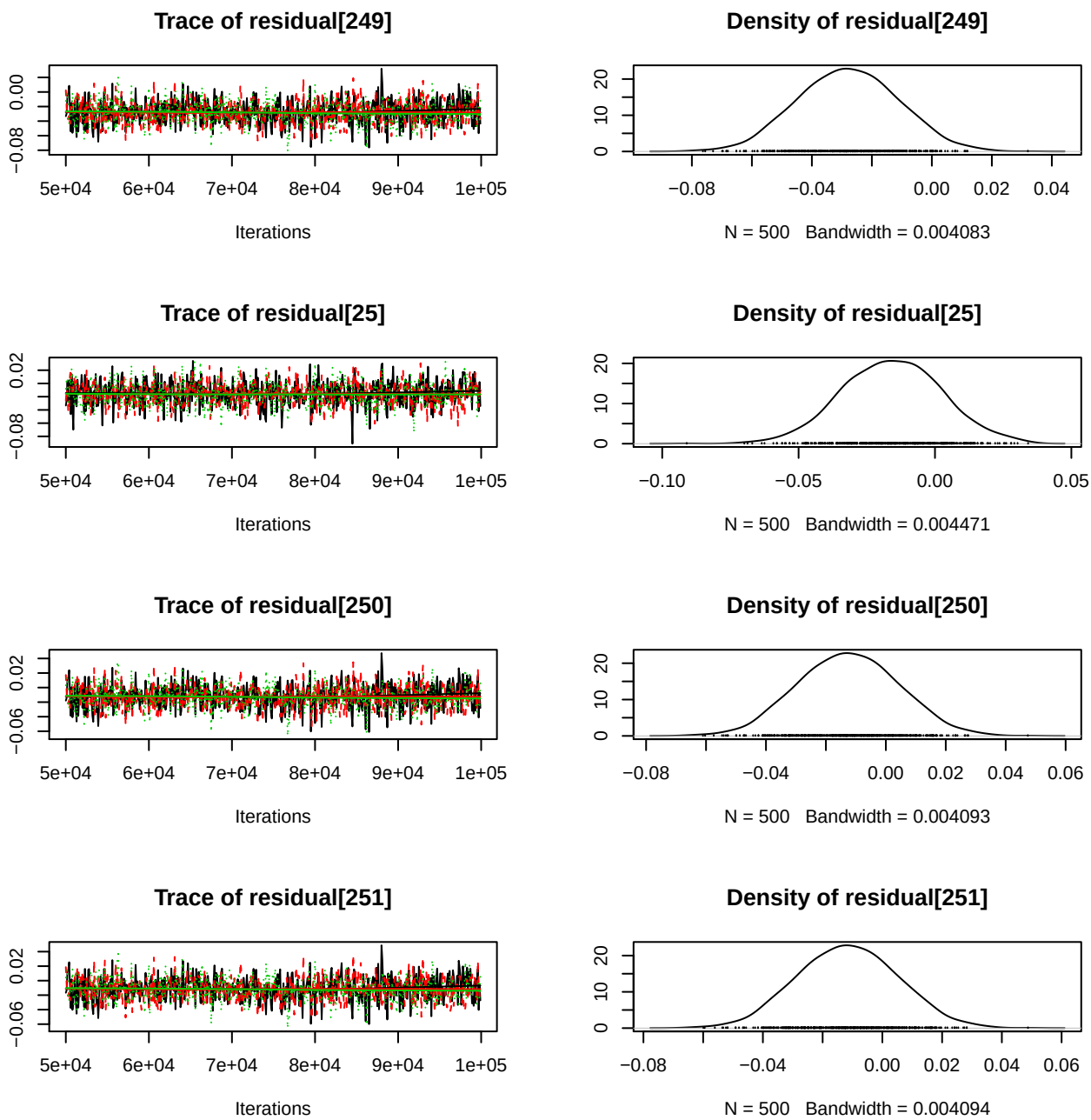

Trace of residual[230]
0.00
0.15
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[230]
0
10
20
0.00
0.05
0.10
0.15
0.20
N = 500 Bandwidth = 0.004299
Trace of residual[231]
0.22
0.30
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[231]
0
10
0.22
0.24
0.26
0.28
0.30
0.32
0.34
N = 500 Bandwidth = 0.004049
Trace of residual[232]
−0.18
−0.08
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[232]
0
10
−0.18
−0.14
−0.10
−0.06
N = 500 Bandwidth = 0.004056
Trace of residual[233]
−0.16
−0.06
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[233]
0
10
25
−0.16
−0.12
−0.08
−0.04
N = 500 Bandwidth = 0.004074

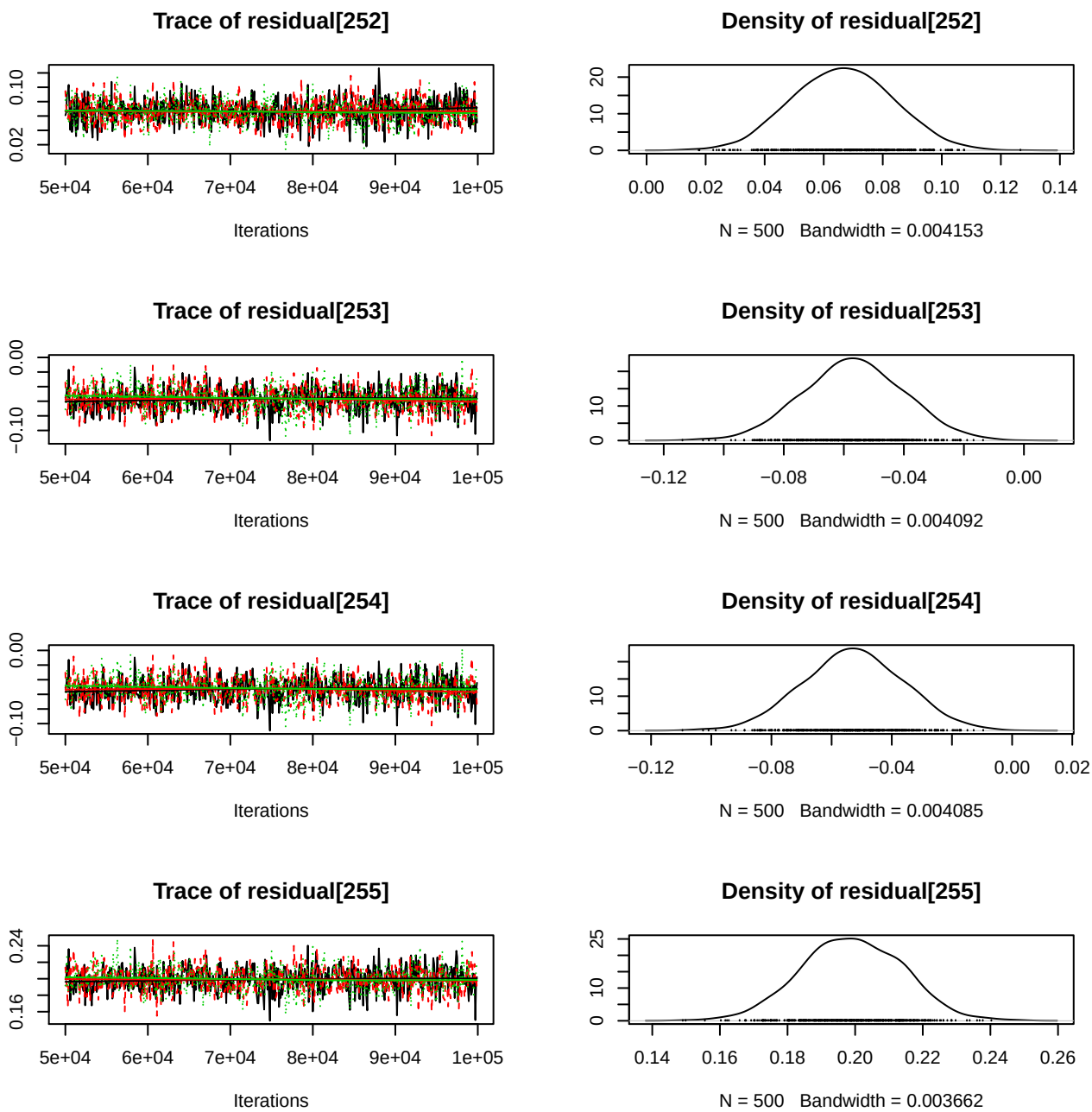

Trace of residual[234]
Iterations
Density of residual[234]
N = 500 Bandwidth = 0.004032
Trace of residual[235]
Iterations
Density of residual[235]
N = 500 Bandwidth = 0.004037
Trace of residual[236]
Iterations
Density of residual[236]
N = 500 Bandwidth = 0.004085
Trace of residual[237]
Iterations
Density of residual[237]
N = 500 Bandwidth = 0.003473

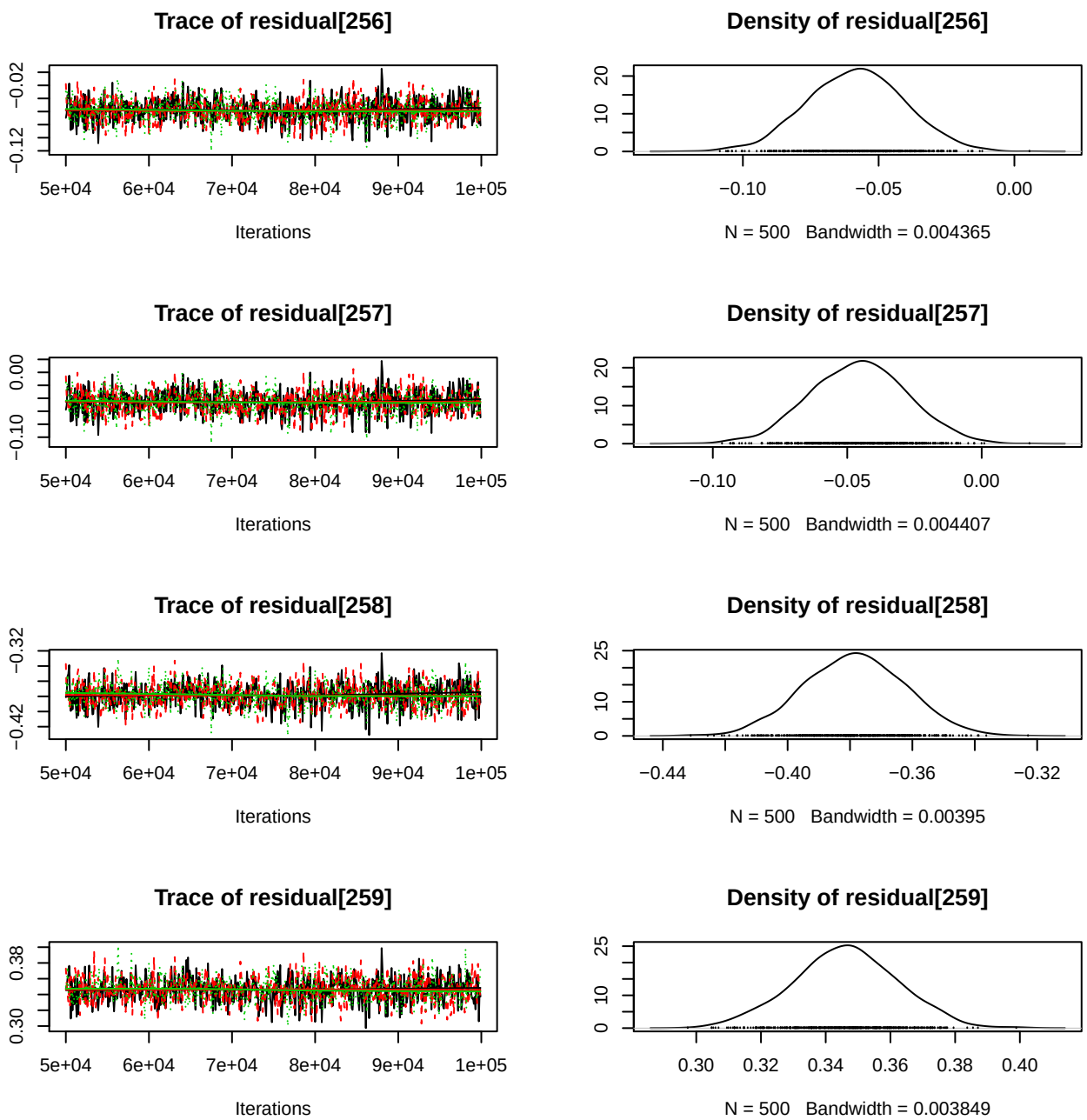

Trace of residual[238]
Iterations
Density of residual[238]
N = 500 Bandwidth = 0.003822
Trace of residual[239]
Iterations
Density of residual[239]
N = 500 Bandwidth = 0.003739
Trace of residual[24]
Iterations
Density of residual[24]
N = 500 Bandwidth = 0.004488
Trace of residual[240]
Iterations
Density of residual[240]
N = 500 Bandwidth = 0.006193

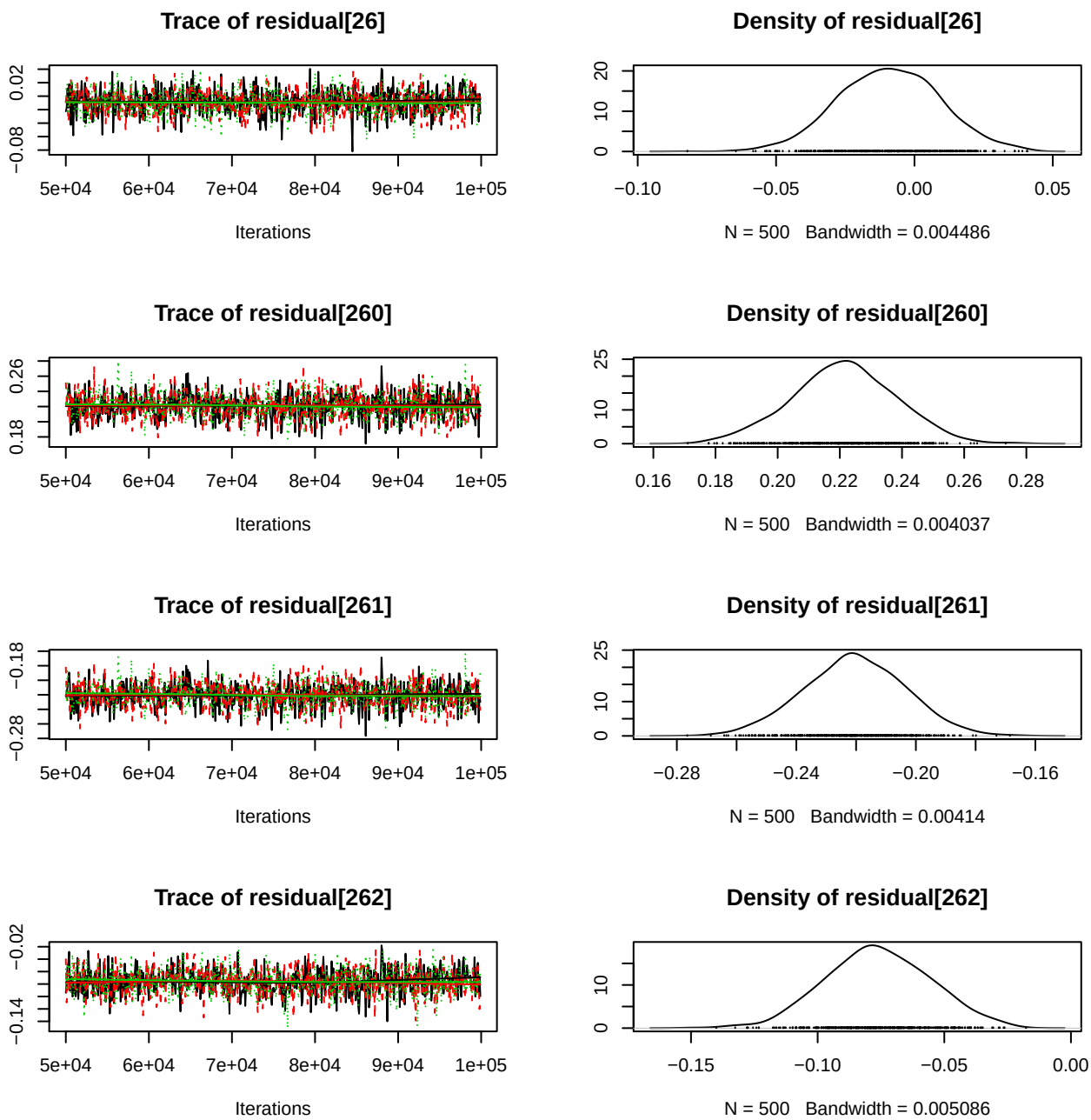

Trace of residual[241]
−0.15
5e+04 6e+04 7e+04 8e+04 9e+04 1e+05
Iterations
Density of residual[241]
0 10
−0.15 −0.10 −0.05 0.00
N = 500 Bandwidth = 0.005155
Trace of residual[242]
−0.05 0.10
5e+04 6e+04 7e+04 8e+04 9e+04 1e+05
Iterations
Density of residual[242]
0 6 12
−0.05 0.00 0.05 0.10 0.15
N = 500 Bandwidth = 0.006826
Trace of residual[243]
−0.05 0.15
5e+04 6e+04 7e+04 8e+04 9e+04 1e+05
Iterations
Density of residual[243]
0 4 8
−0.10 −0.05 0.00 0.05 0.10 0.15
N = 500 Bandwidth = 0.008416
Trace of residual[244]
−0.25
5e+04 6e+04 7e+04 8e+04 9e+04 1e+05
Iterations
Density of residual[244]
0 4 8
−0.30 −0.25 −0.20 −0.15 −0.10 −0.05
N = 500 Bandwidth = 0.007925

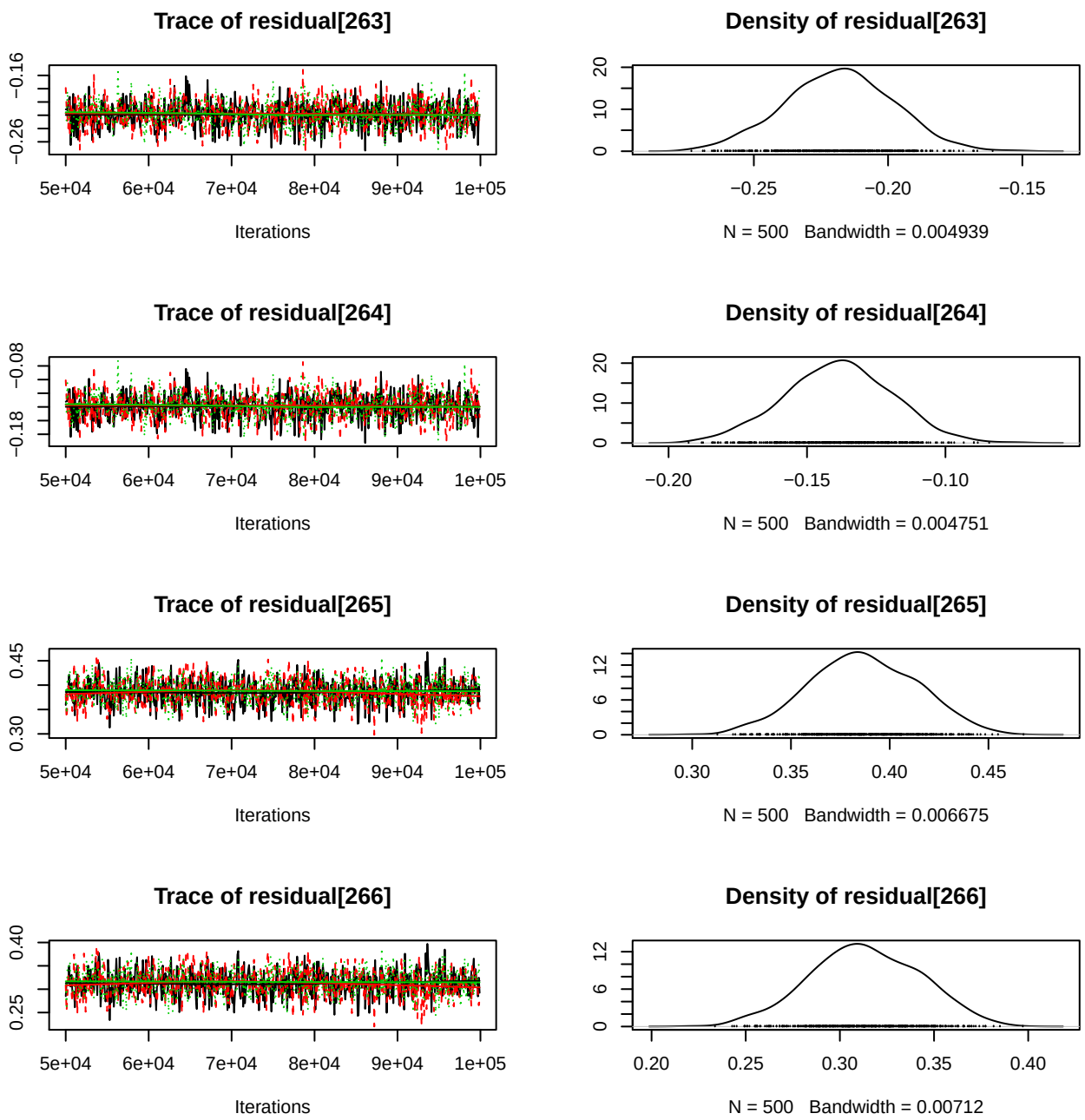

Trace of residual[245]
−0.20
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[245]
0
4
8
−0.25
−0.20
−0.15
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.008023
Trace of residual[246]
−0.24
−0.14
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[246]
0
10
−0.26
−0.22
−0.18
−0.14
N = 500 Bandwidth = 0.004027
Trace of residual[247]
−0.22
−0.12
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[247]
0
10
−0.24
−0.20
−0.16
−0.12
N = 500 Bandwidth = 0.004006
Trace of residual[248]
−0.14
−0.04
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[248]
0
10
−0.16
−0.12
−0.08
−0.04
N = 500 Bandwidth = 0.004046

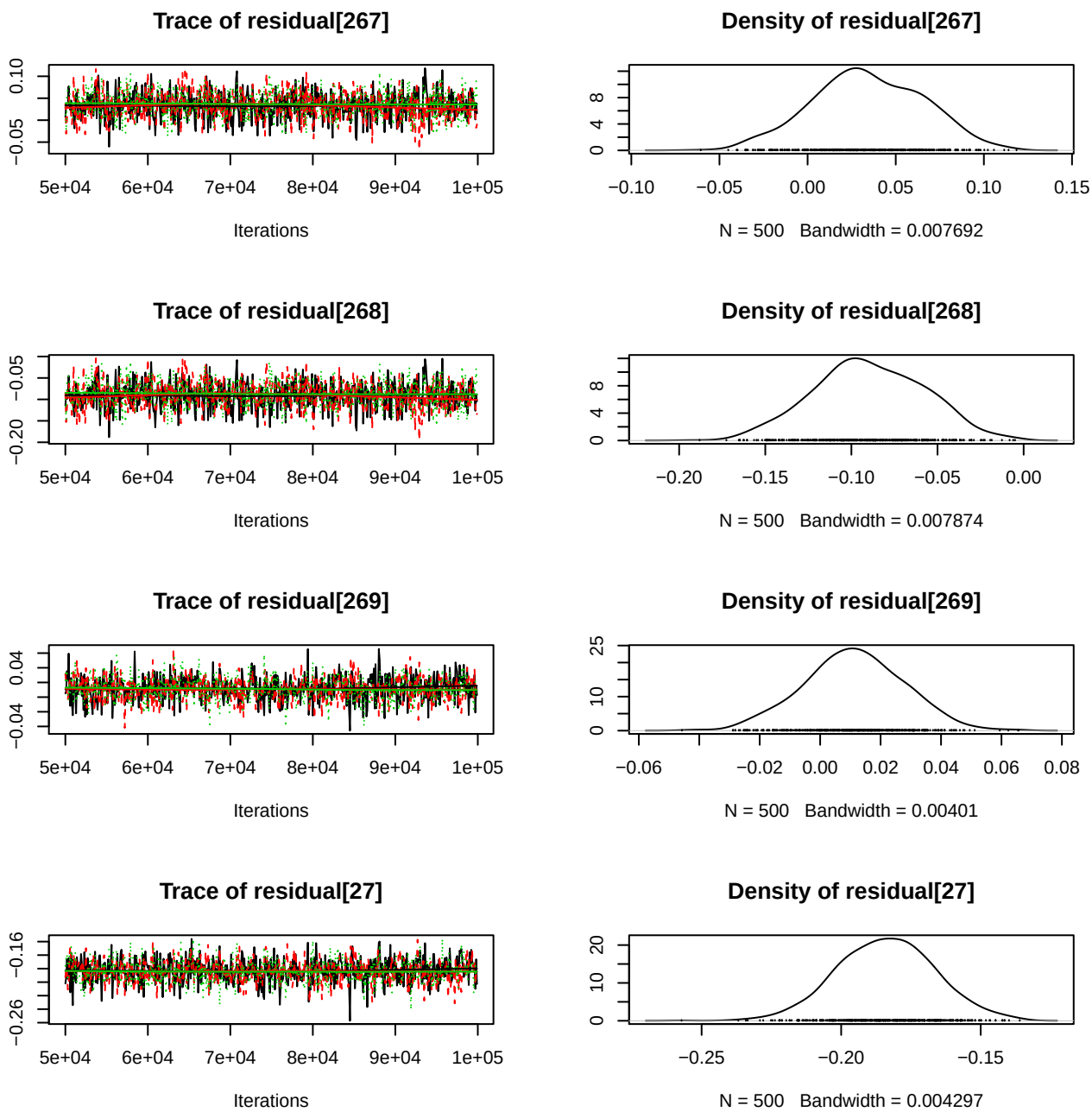

Trace of residual[249]
Iterations
Density of residual[249]
N = 500 Bandwidth = 0.004083
Trace of residual[25]
Iterations
Density of residual[25]
N = 500 Bandwidth = 0.004471
Trace of residual[250]
Iterations
Density of residual[250]
N = 500 Bandwidth = 0.004093
Trace of residual[251]
Iterations
Density of residual[251]
N = 500 Bandwidth = 0.004094

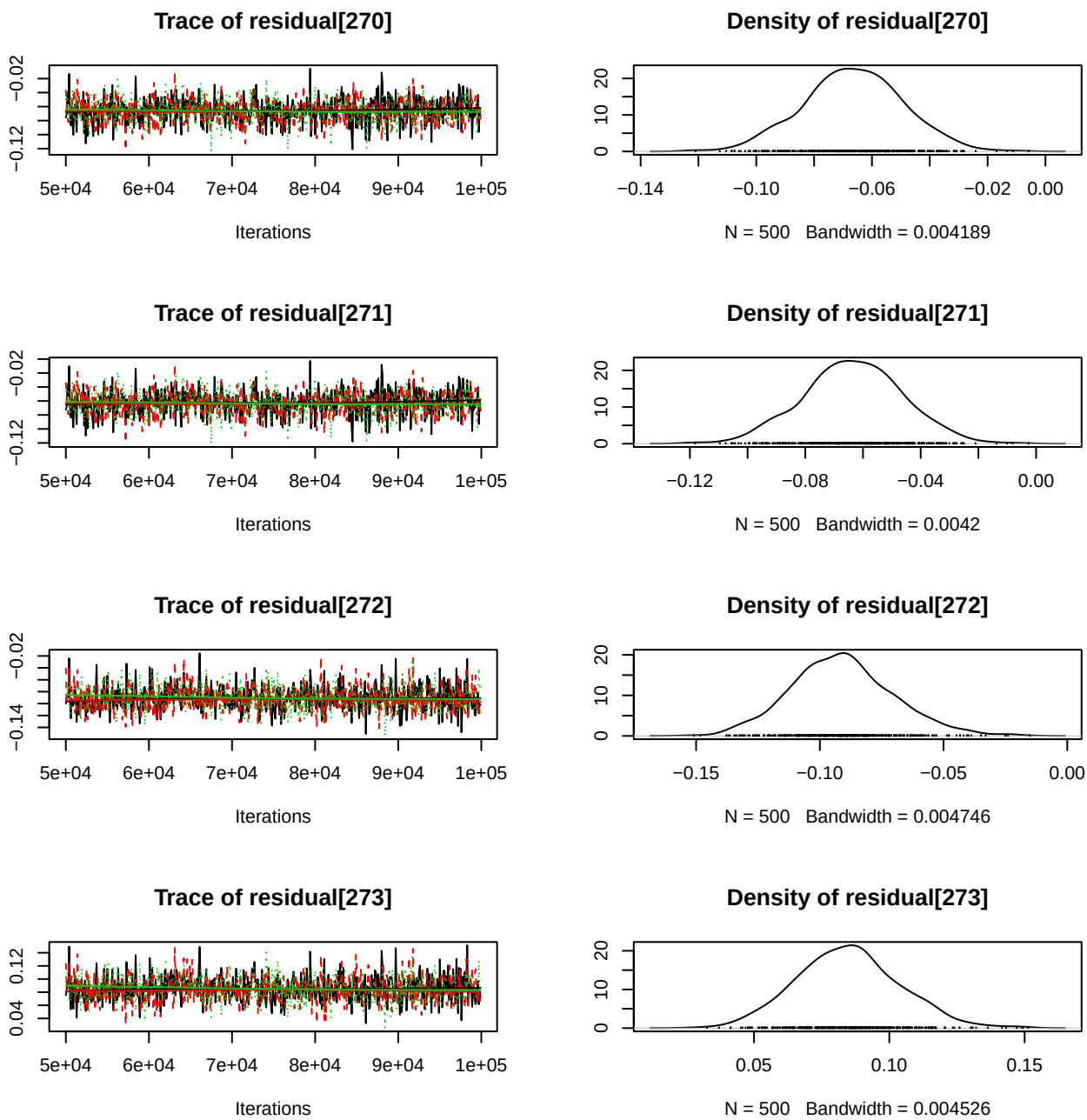

Trace of residual[252]
0.02
0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[252]
0
10
20
0.00
0.02
0.04
0.06
0.08
0.10
0.12
0.14
N = 500 Bandwidth = 0.004153
Trace of residual[253]
−0.10
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[253]
0
10
−0.12
−0.08
−0.04
0.00
N = 500 Bandwidth = 0.004092
Trace of residual[254]
−0.10
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[254]
0
10
−0.12
−0.08
−0.04
0.00
0.02
N = 500 Bandwidth = 0.004085
Trace of residual[255]
0.16
0.24
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[255]
0
10
25
0.14
0.16
0.18
0.20
0.22
0.24
0.26
N = 500 Bandwidth = 0.003662

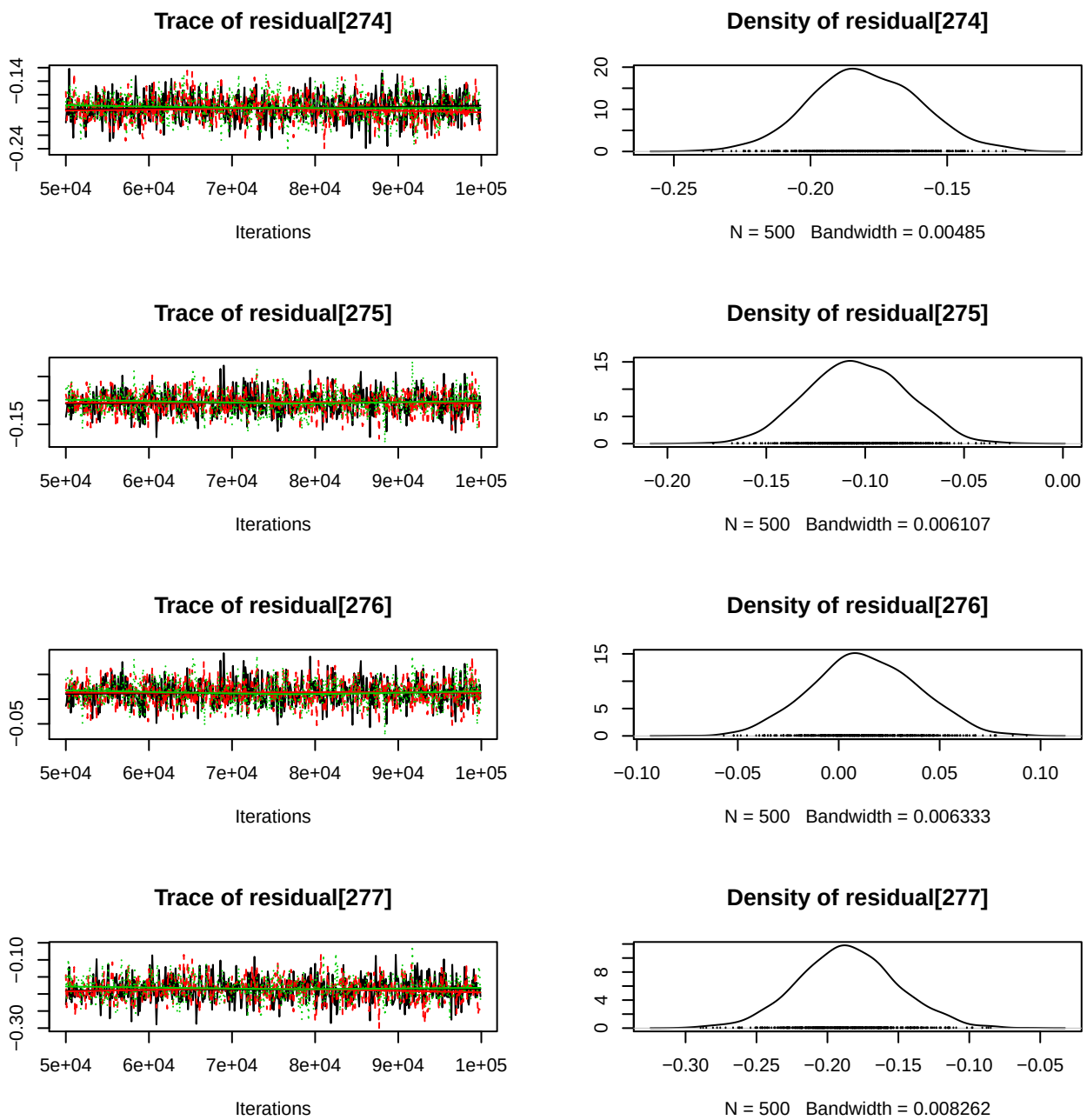

Trace of residual[256]
−0.12
−0.02
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[256]
0
10
20
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.004365
Trace of residual[257]
−0.10
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[257]
0
10
20
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.004407
Trace of residual[258]
−0.42
−0.32
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[258]
0
10
25
−0.44
−0.40
−0.36
−0.32
N = 500 Bandwidth = 0.00395
Trace of residual[259]
0.30
0.38
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[259]
0
10
25
0.30
0.32
0.34
0.36
0.38
0.40
N = 500 Bandwidth = 0.003849

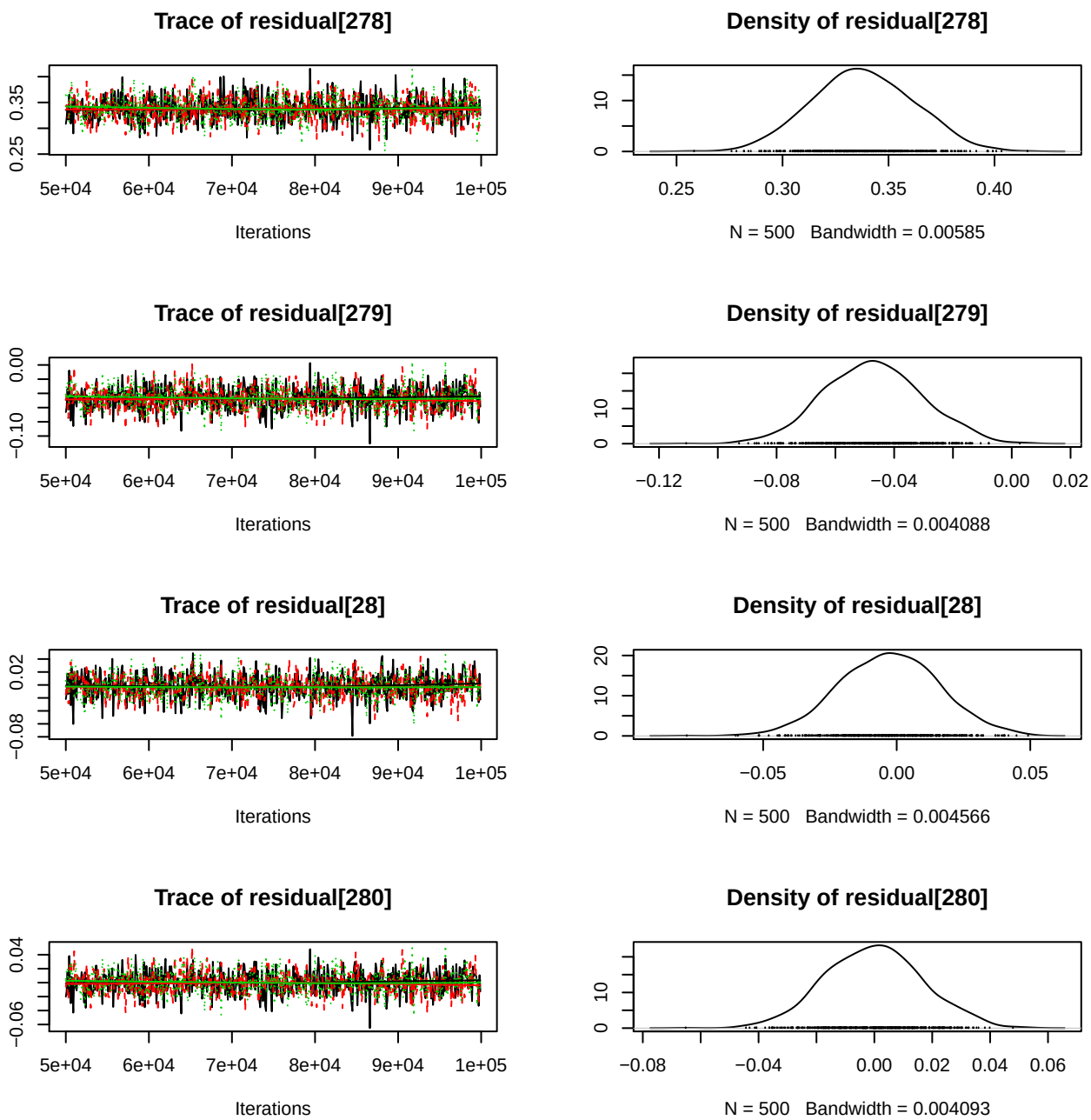

Trace of residual[26]
Iterations
Density of residual[26]
N = 500 Bandwidth = 0.004486
Trace of residual[260]
Iterations
Density of residual[260]
N = 500 Bandwidth = 0.004037
Trace of residual[261]
Iterations
Density of residual[261]
N = 500 Bandwidth = 0.00414
Trace of residual[262]
Iterations
Density of residual[262]
N = 500 Bandwidth = 0.005086

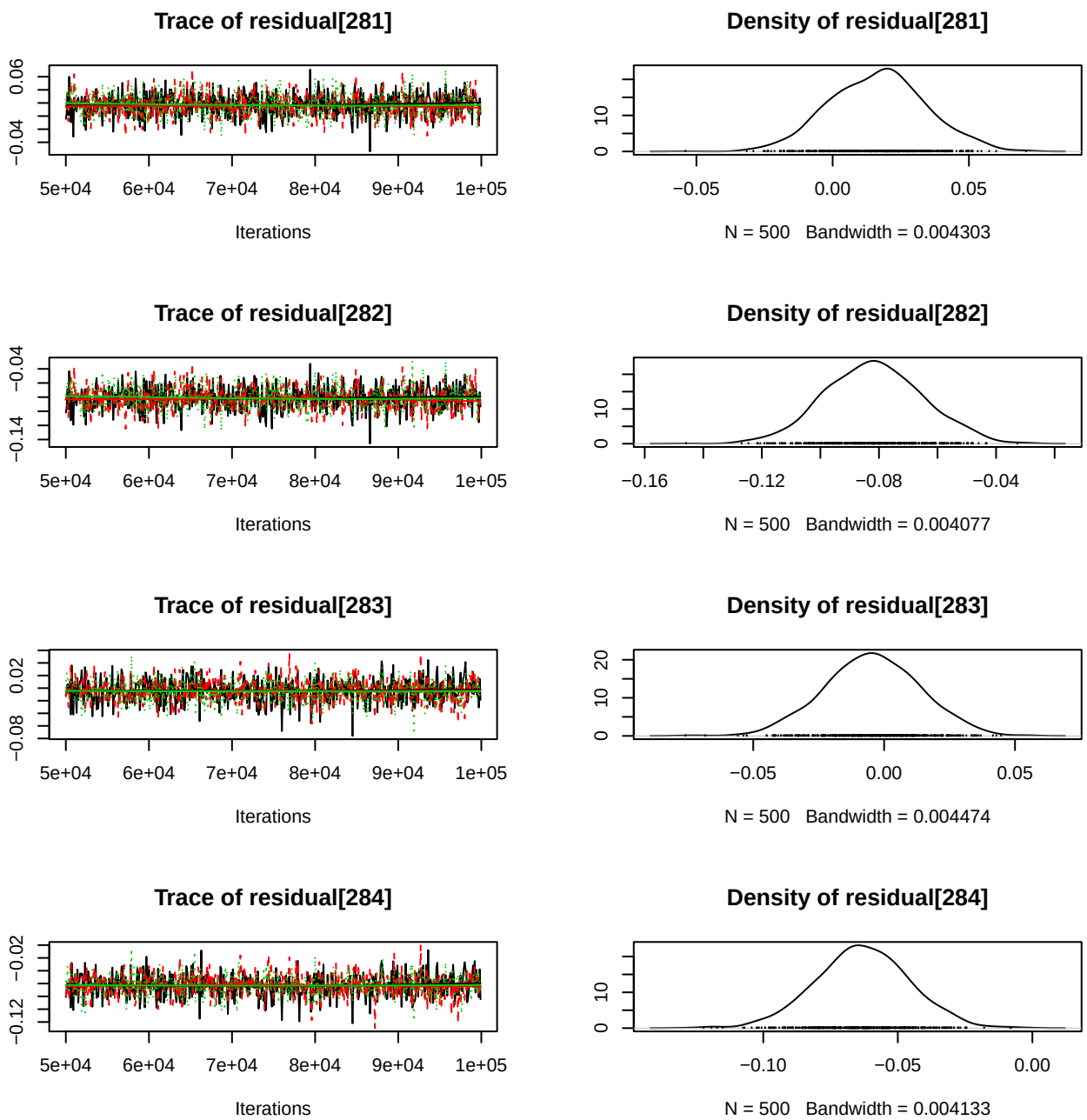

Trace of residual[263]
−0.26
−0.16
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[263]
0
10
20
−0.25
−0.20
−0.15
N = 500 Bandwidth = 0.004939
Trace of residual[264]
−0.18
−0.08
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[264]
0
10
20
−0.20
−0.15
−0.10
N = 500 Bandwidth = 0.004751
Trace of residual[265]
0.30
0.45
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[265]
0
6
12
0.30
0.35
0.40
0.45
N = 500 Bandwidth = 0.006675
Trace of residual[266]
0.25
0.40
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[266]
0
6
12
0.20
0.25
0.30
0.35
0.40
N = 500 Bandwidth = 0.00712

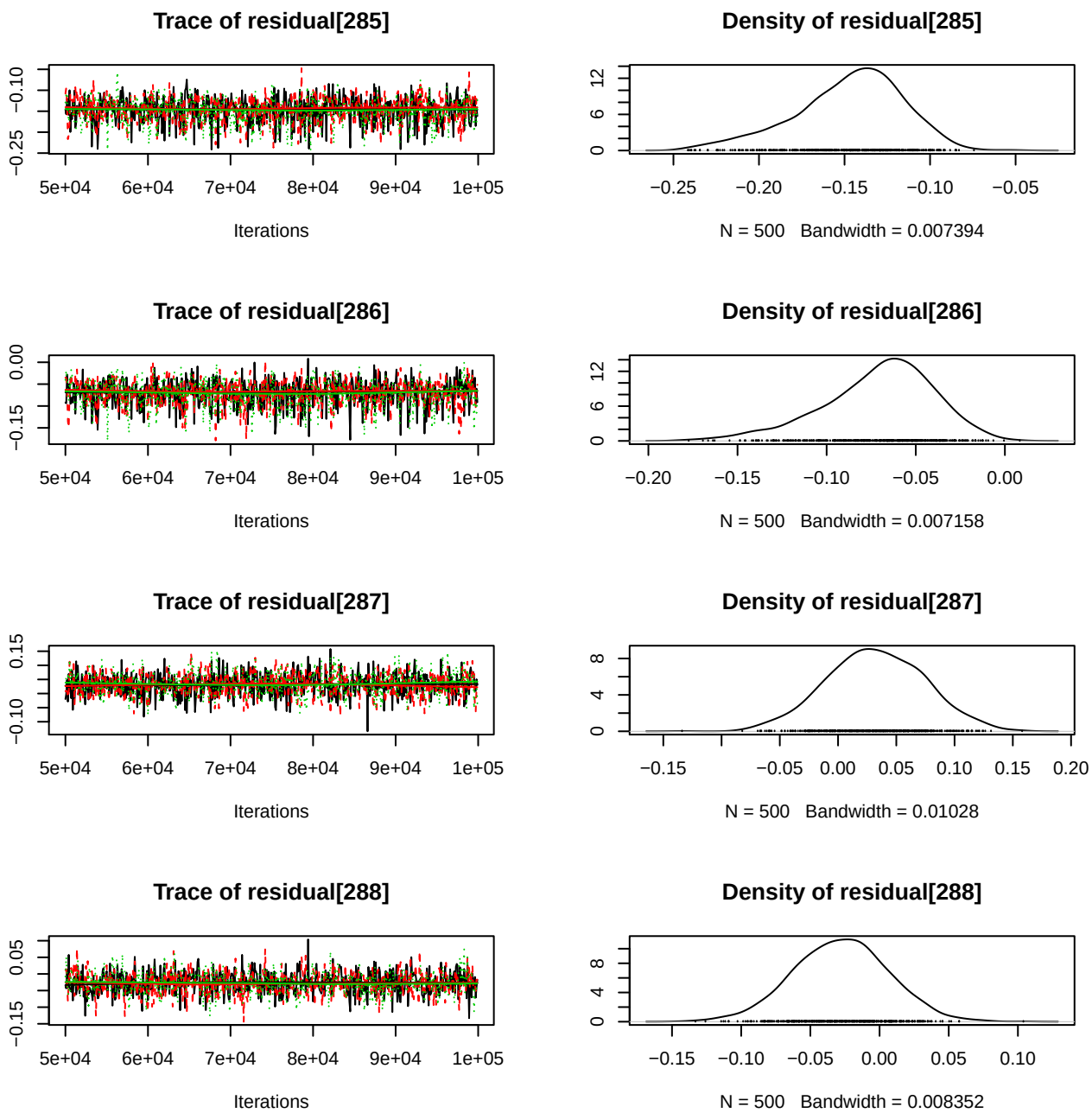

Trace of residual[267]
Iterations
Density of residual[267]
N = 500 Bandwidth = 0.007692
Trace of residual[268]
Iterations
Density of residual[268]
N = 500 Bandwidth = 0.007874
Trace of residual[269]
Iterations
Density of residual[269]
N = 500 Bandwidth = 0.00401
Trace of residual[27]
Iterations
Density of residual[27]
N = 500 Bandwidth = 0.004297

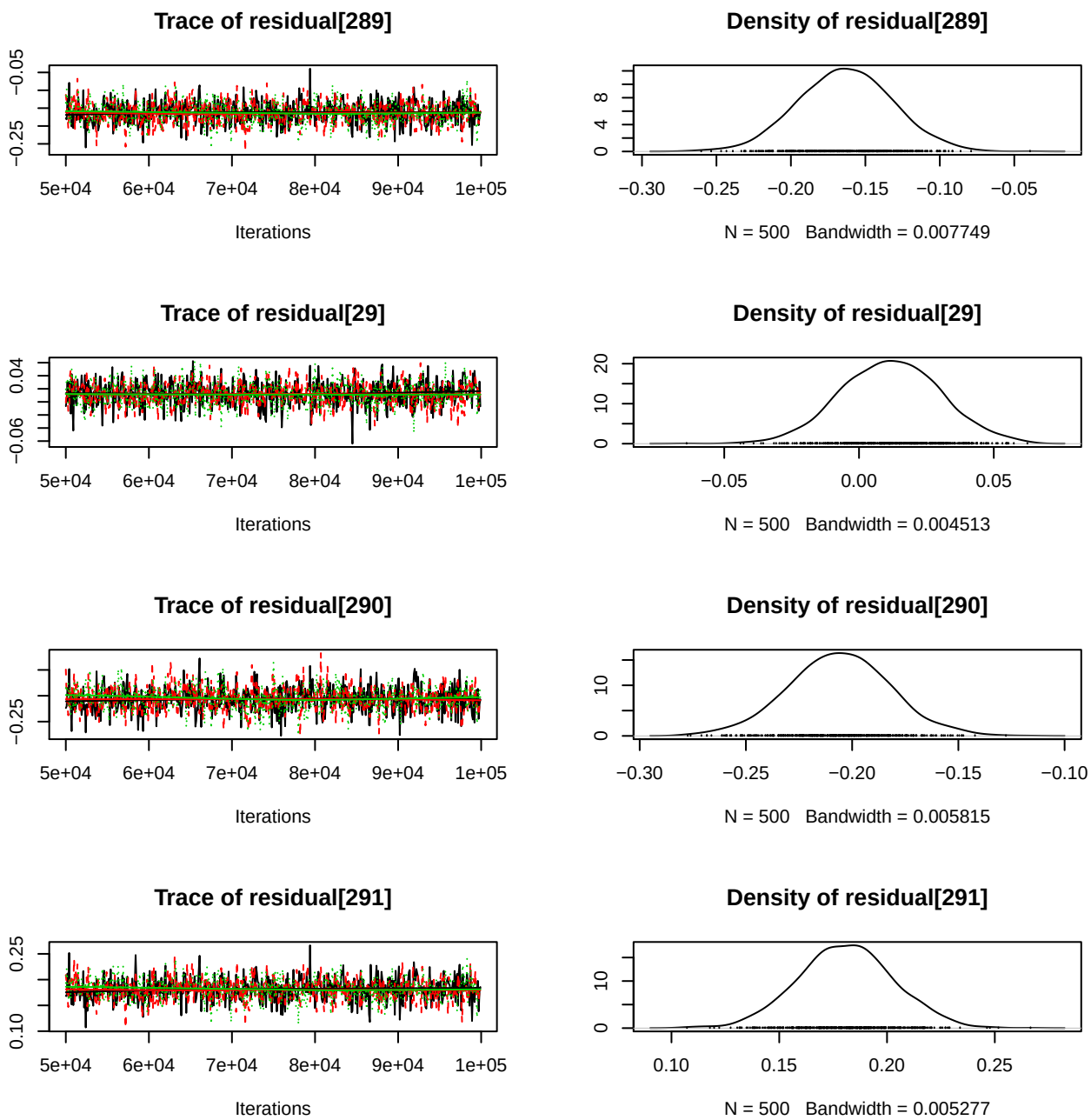

Trace of residual[270]
−0.12
−0.02
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[270]
0
10
20
−0.14
−0.10
−0.06
−0.02
0.00
N = 500 Bandwidth = 0.004189
Trace of residual[271]
−0.12
−0.02
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[271]
0
10
20
−0.12
−0.08
−0.04
0.00
N = 500 Bandwidth = 0.0042
Trace of residual[272]
−0.14
−0.02
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[272]
0
10
20
−0.15
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.004746
Trace of residual[273]
0.04
0.12
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[273]
0
10
20
0.05
0.10
0.15
N = 500 Bandwidth = 0.004526

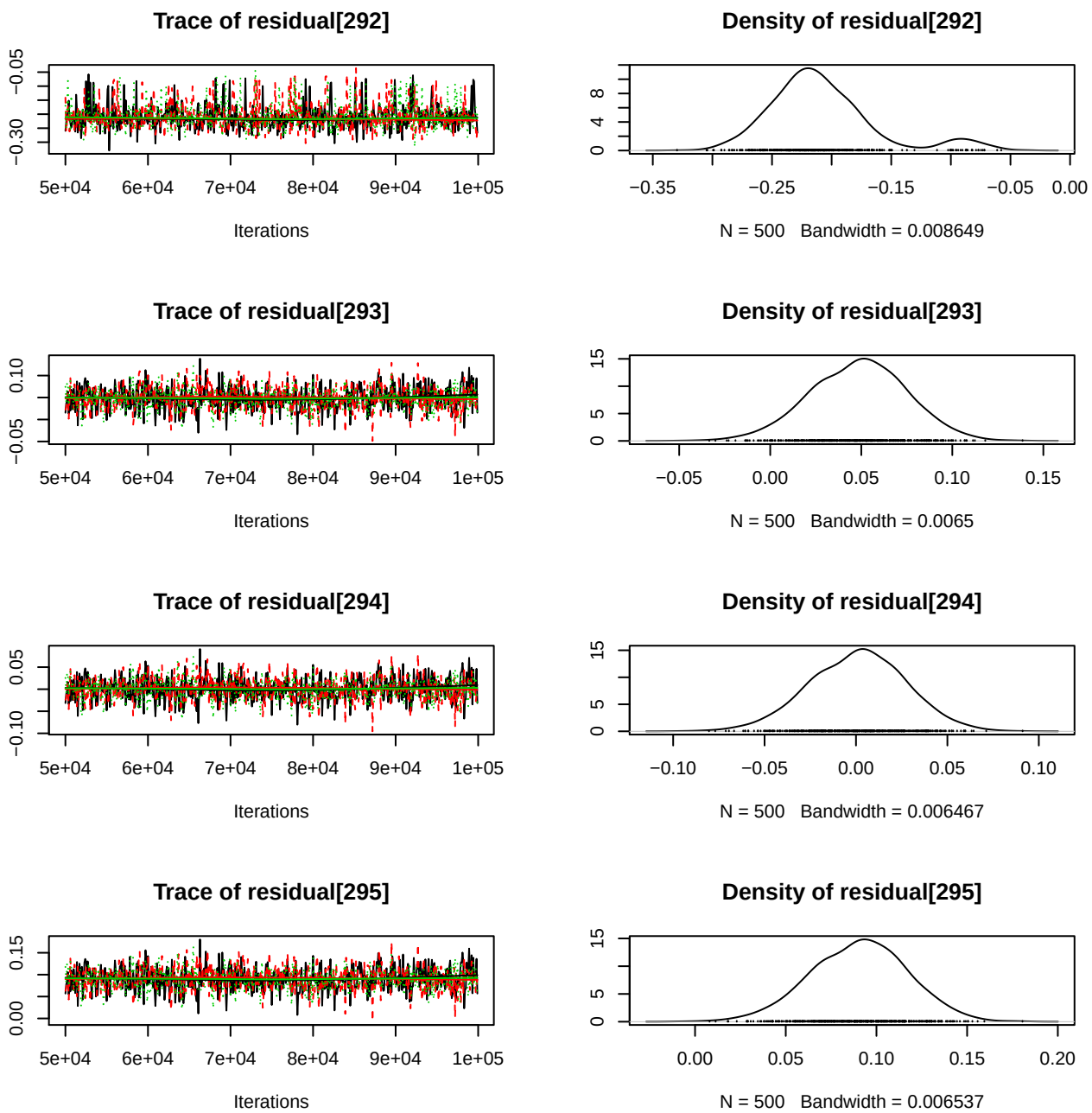

Trace of residual[274]
−0.24
−0.14
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[274]
0
10
20
−0.25
−0.20
−0.15
N = 500 Bandwidth = 0.00485
Trace of residual[275]
−0.15
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[275]
0
5
15
−0.20
−0.15
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.006107
Trace of residual[276]
−0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[276]
0
5
15
−0.10
−0.05
0.00
0.05
0.10
N = 500 Bandwidth = 0.006333
Trace of residual[277]
−0.30
−0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[277]
0
4
8
−0.30
−0.25
−0.20
−0.15
−0.10
−0.05
N = 500 Bandwidth = 0.008262

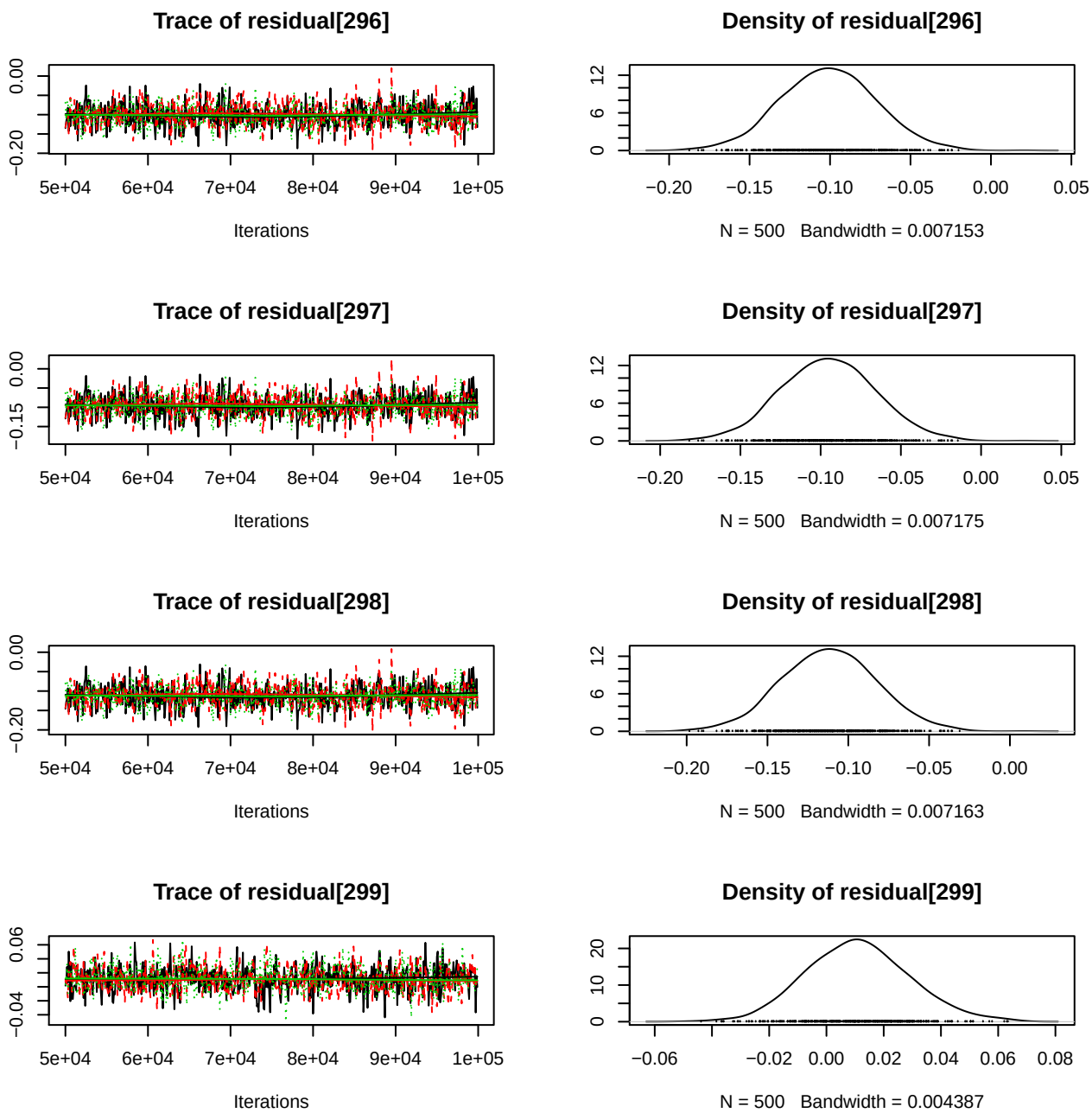

Trace of residual[278]
0.25
0.35
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[278]
0
10
0.25
0.30
0.35
0.40
N = 500 Bandwidth = 0.00585
Trace of residual[279]
−0.10
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[279]
0
10
−0.12
−0.08
−0.04
0.00
0.02
N = 500 Bandwidth = 0.004088
Trace of residual[28]
−0.08
0.02
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[28]
0
10
20
−0.05
0.00
0.05
N = 500 Bandwidth = 0.004566
Trace of residual[280]
−0.06
0.04
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[280]
0
10
−0.08
−0.04
0.00
0.02
0.04
0.06
N = 500 Bandwidth = 0.004093

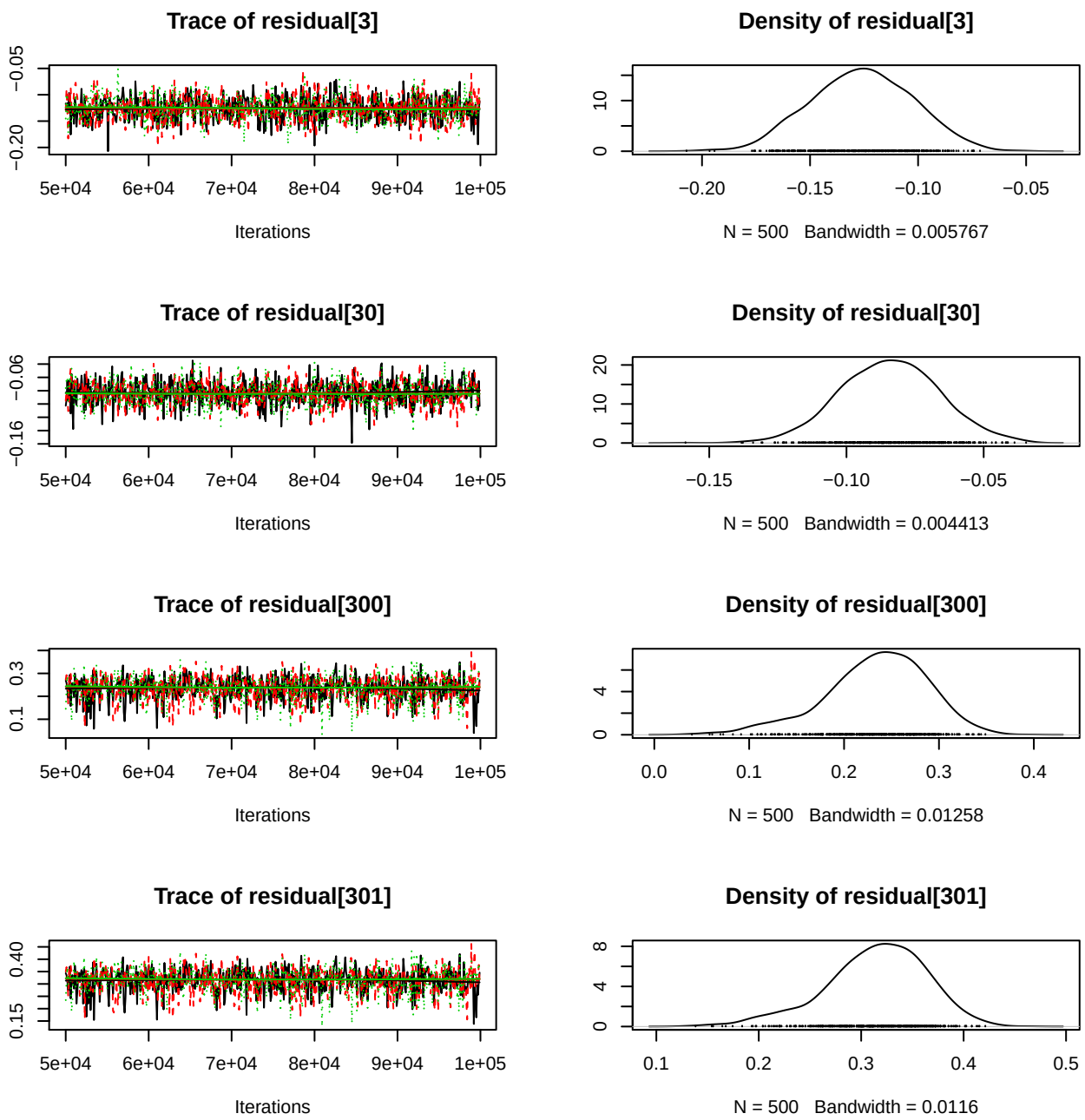

Trace of residual[281]
Iterations
Density of residual[281]
N = 500 Bandwidth = 0.004303
Trace of residual[282]
Iterations
Density of residual[282]
N = 500 Bandwidth = 0.004077
Trace of residual[283]
Iterations
Density of residual[283]
N = 500 Bandwidth = 0.004474
Trace of residual[284]
Iterations
Density of residual[284]
N = 500 Bandwidth = 0.004133

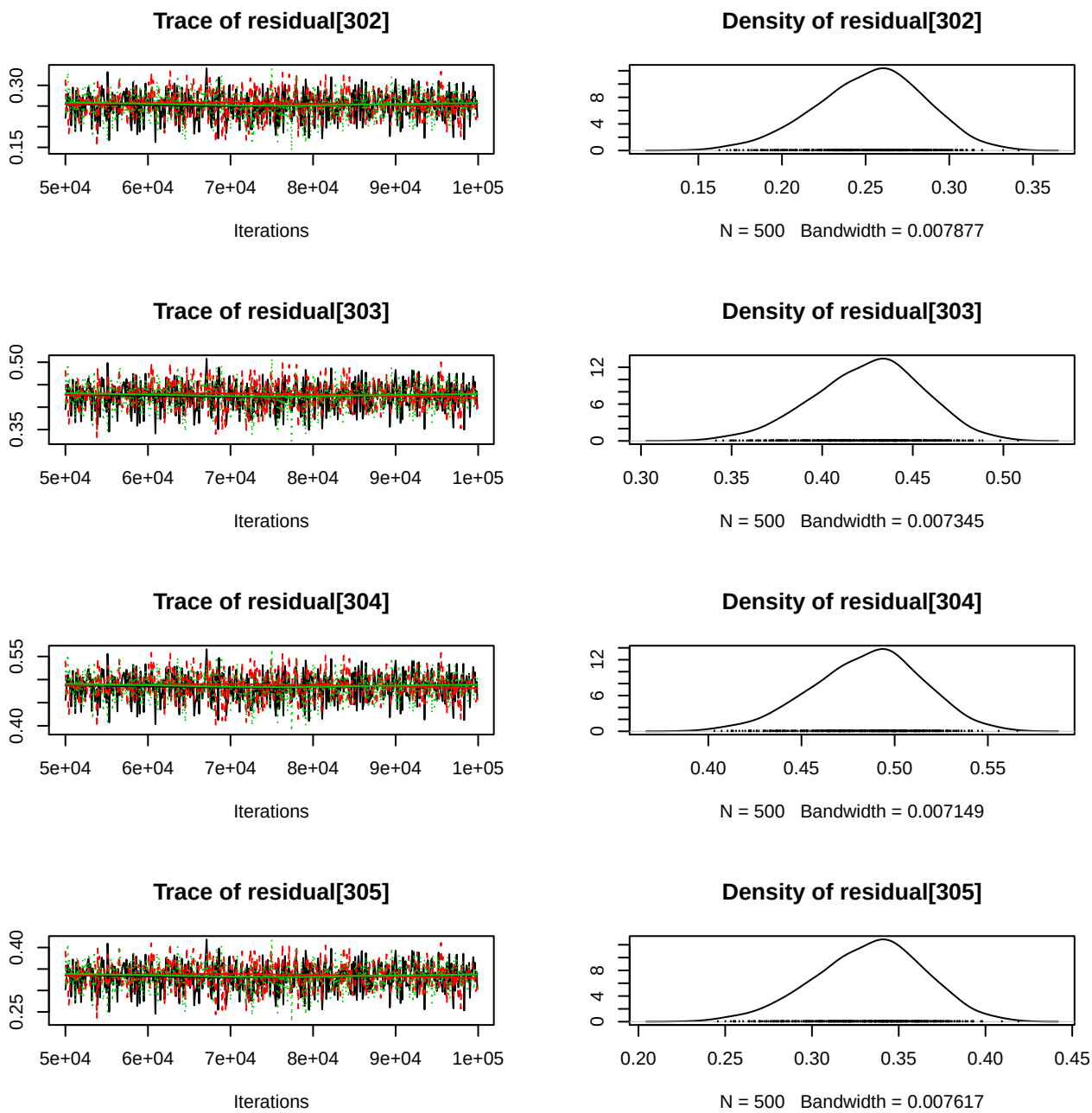

Trace of residual[285]
Iterations
Density of residual[285]
N = 500 Bandwidth = 0.007394
Trace of residual[286]
Iterations
Density of residual[286]
N = 500 Bandwidth = 0.007158
Trace of residual[287]
Iterations
Density of residual[287]
N = 500 Bandwidth = 0.01028
Trace of residual[288]
Iterations
Density of residual[288]
N = 500 Bandwidth = 0.008352

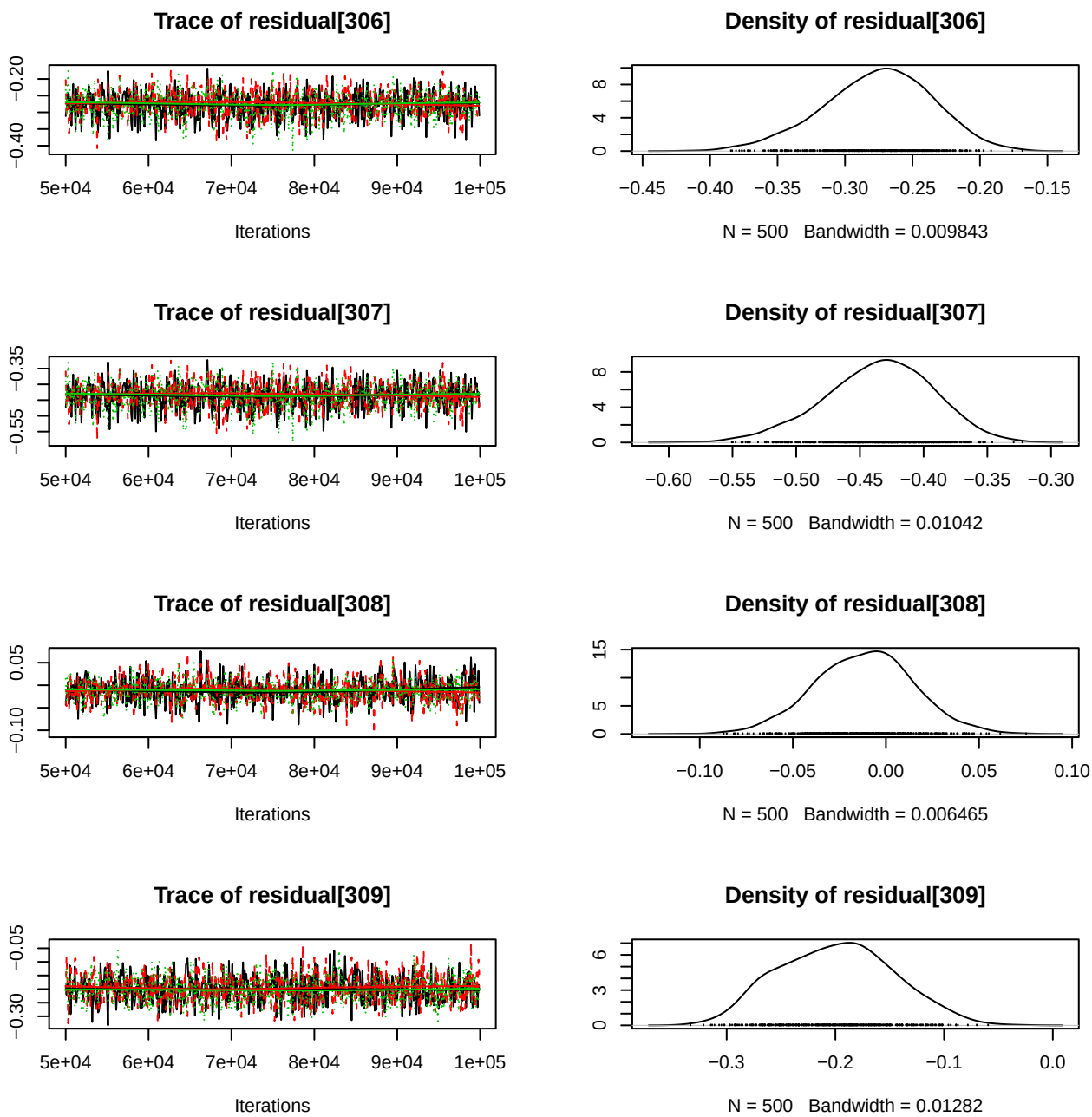

Trace of residual[289]
−0.05
−0.25
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[289]
0
4
8
−0.30
−0.25
−0.20
−0.15
−0.10
−0.05
N = 500 Bandwidth = 0.007749
Trace of residual[29]
0.04
−0.06
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[29]
0
10
20
−0.05
0.00
0.05
N = 500 Bandwidth = 0.004513
Trace of residual[290]
−0.25
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[290]
0
10
−0.30
−0.25
−0.20
−0.15
−0.10
N = 500 Bandwidth = 0.005815
Trace of residual[291]
0.25
0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[291]
0
10
0.10
0.15
0.20
0.25
N = 500 Bandwidth = 0.005277

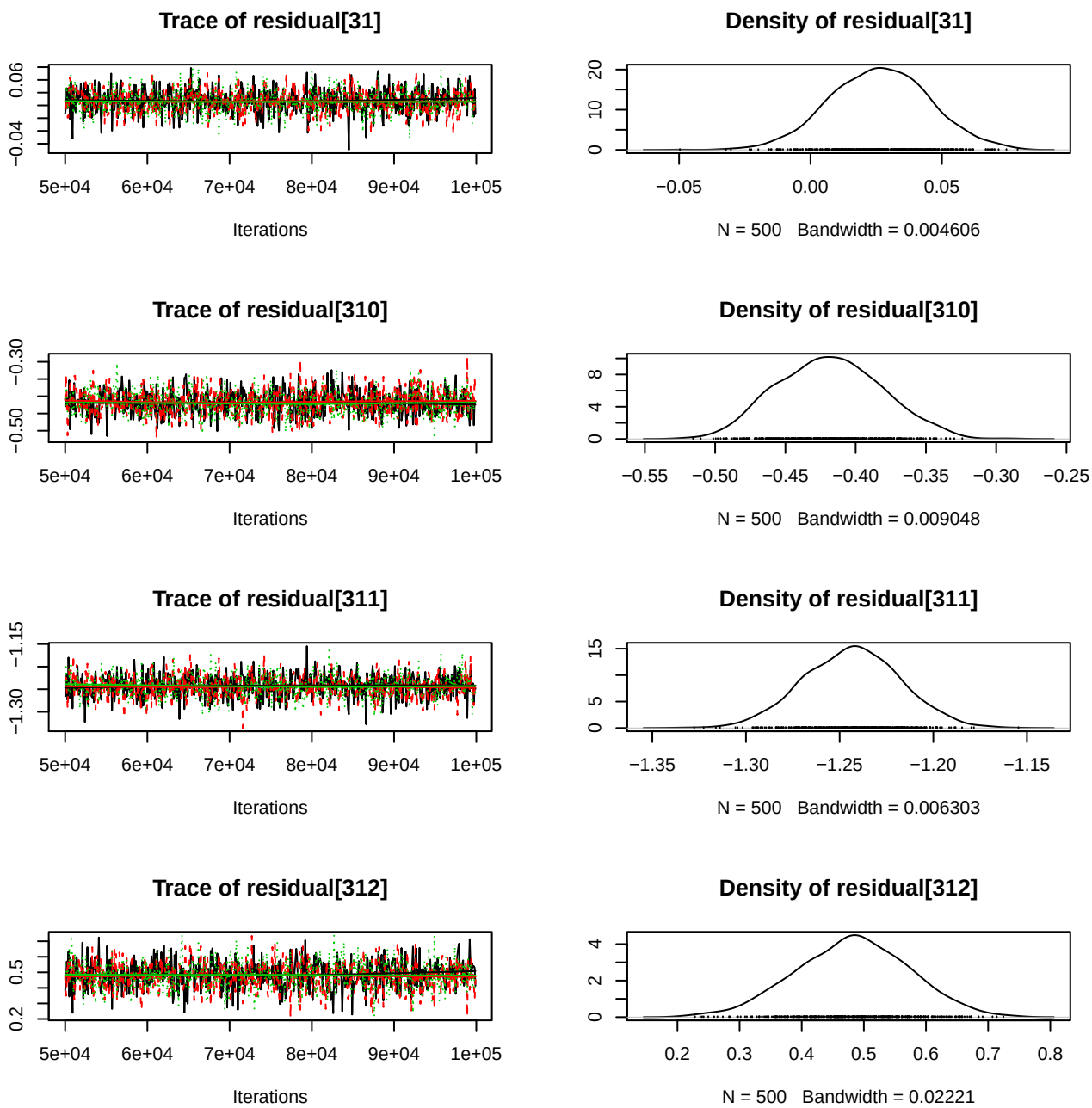

Trace of residual[292]
−0.30
−0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[292]
0
4
8
−0.35
−0.25
−0.15
−0.05
0.00
N = 500 Bandwidth = 0.008649
Trace of residual[293]
−0.05
0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[293]
0
5
15
−0.05
0.00
0.05
0.10
0.15
N = 500 Bandwidth = 0.0065
Trace of residual[294]
−0.10
0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[294]
0
5
15
−0.10
−0.05
0.00
0.05
0.10
N = 500 Bandwidth = 0.006467
Trace of residual[295]
0.00
0.15
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[295]
0
5
15
0.00
0.05
0.10
0.15
0.20
N = 500 Bandwidth = 0.006537

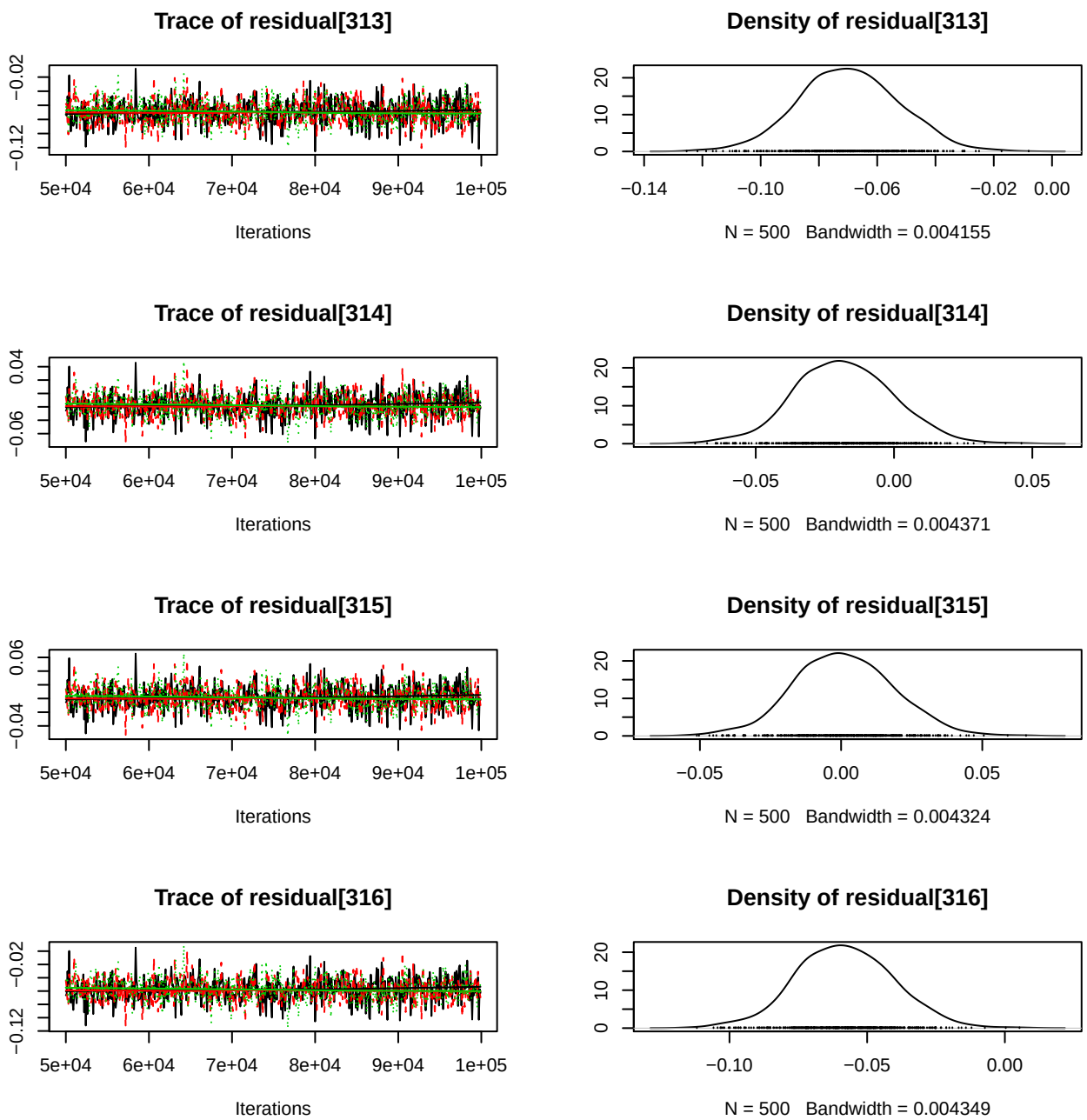

Trace of residual[296]
Iterations
Density of residual[296]
N = 500 Bandwidth = 0.007153
Trace of residual[297]
Iterations
Density of residual[297]
N = 500 Bandwidth = 0.007175
Trace of residual[298]
Iterations
Density of residual[298]
N = 500 Bandwidth = 0.007163
Trace of residual[299]
Iterations
Density of residual[299]
N = 500 Bandwidth = 0.004387

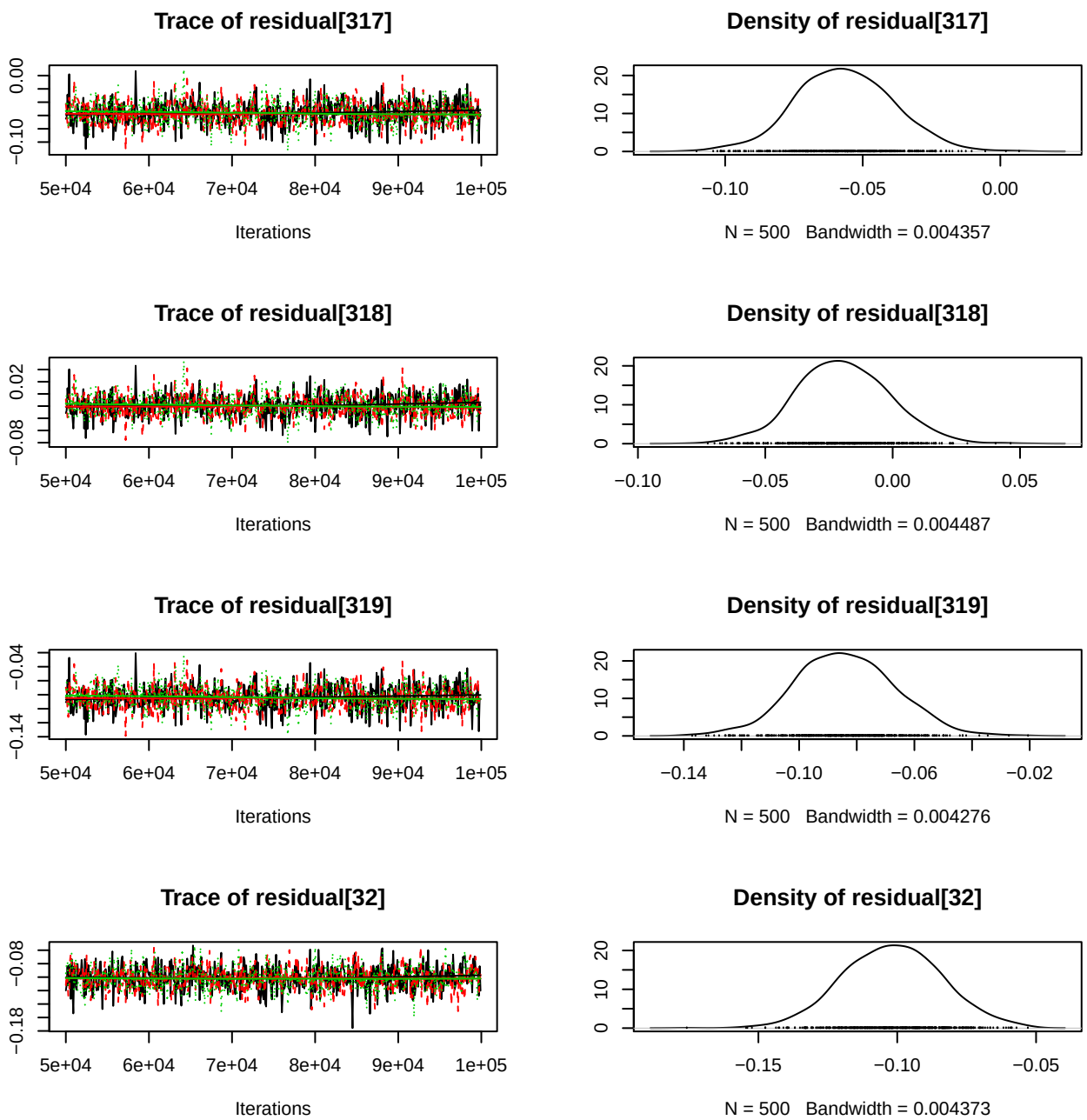

Trace of residual[3]
−0.05
−0.20
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[3]
10
0
−0.20
−0.15
−0.10
−0.05
N = 500 Bandwidth = 0.005767
Trace of residual[30]
−0.06
−0.16
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[30]
20
10
0
−0.15
−0.10
−0.05
N = 500 Bandwidth = 0.004413
Trace of residual[300]
0.3
0.1
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[300]
4
0
0.0
0.1
0.2
0.3
0.4
N = 500 Bandwidth = 0.01258
Trace of residual[301]
0.40
0.15
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[301]
8
4
0
0.1
0.2
0.3
0.4
0.5
N = 500 Bandwidth = 0.0116

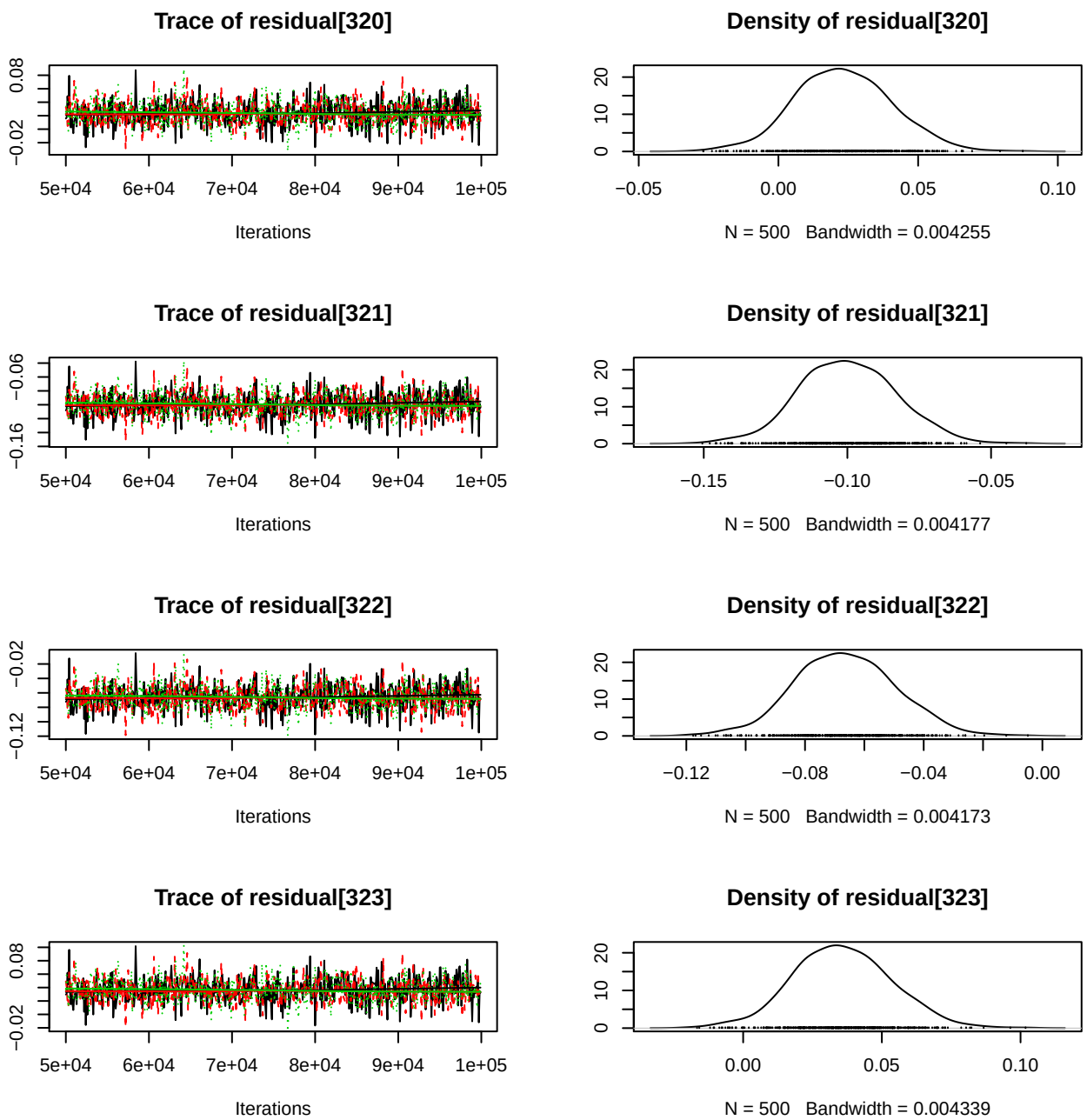

Trace of residual[302]
0.15
0.30
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[302]
0
4
8
0.15
0.20
0.25
0.30
0.35
N = 500 Bandwidth = 0.007877
Trace of residual[303]
0.35
0.50
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[303]
0
6
12
0.30
0.35
0.40
0.45
0.50
N = 500 Bandwidth = 0.007345
Trace of residual[304]
0.40
0.55
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[304]
0
6
12
0.40
0.45
0.50
0.55
N = 500 Bandwidth = 0.007149
Trace of residual[305]
0.25
0.40
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[305]
0
4
8
0.20
0.25
0.30
0.35
0.40
0.45
N = 500 Bandwidth = 0.007617

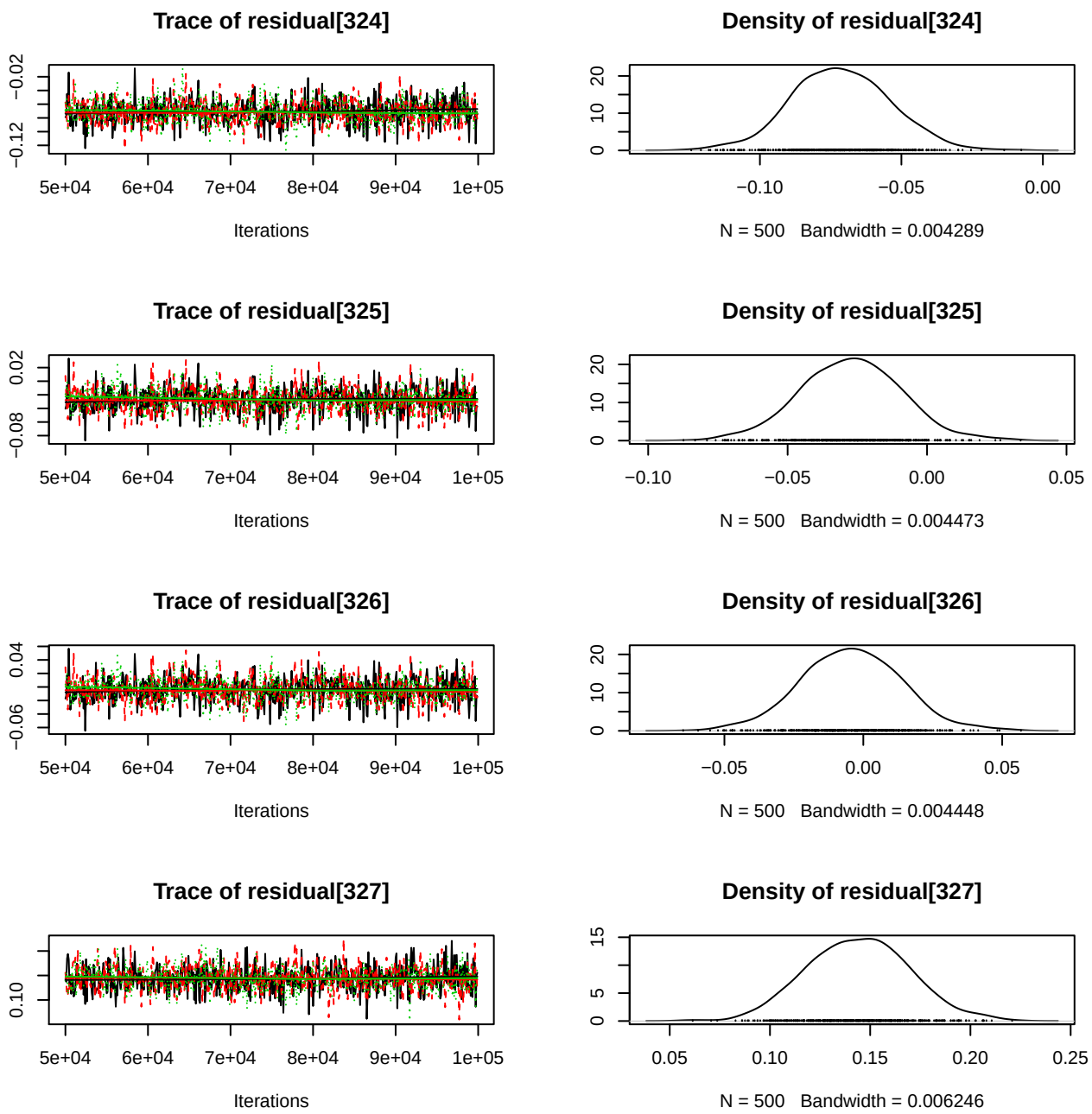

Trace of residual[306]
−0.40
−0.20
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[306]
0
4
8
−0.45
−0.40
−0.35
−0.30
−0.25
−0.20
−0.15
N = 500 Bandwidth = 0.009843
Trace of residual[307]
−0.55
−0.35
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[307]
0
4
8
−0.60
−0.55
−0.50
−0.45
−0.40
−0.35
−0.30
N = 500 Bandwidth = 0.01042
Trace of residual[308]
−0.10
0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[308]
0
5
15
−0.10
−0.05
0.00
0.05
0.10
N = 500 Bandwidth = 0.006465
Trace of residual[309]
−0.30
−0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[309]
0
3
6
−0.3
−0.2
−0.1
0.0
N = 500 Bandwidth = 0.01282

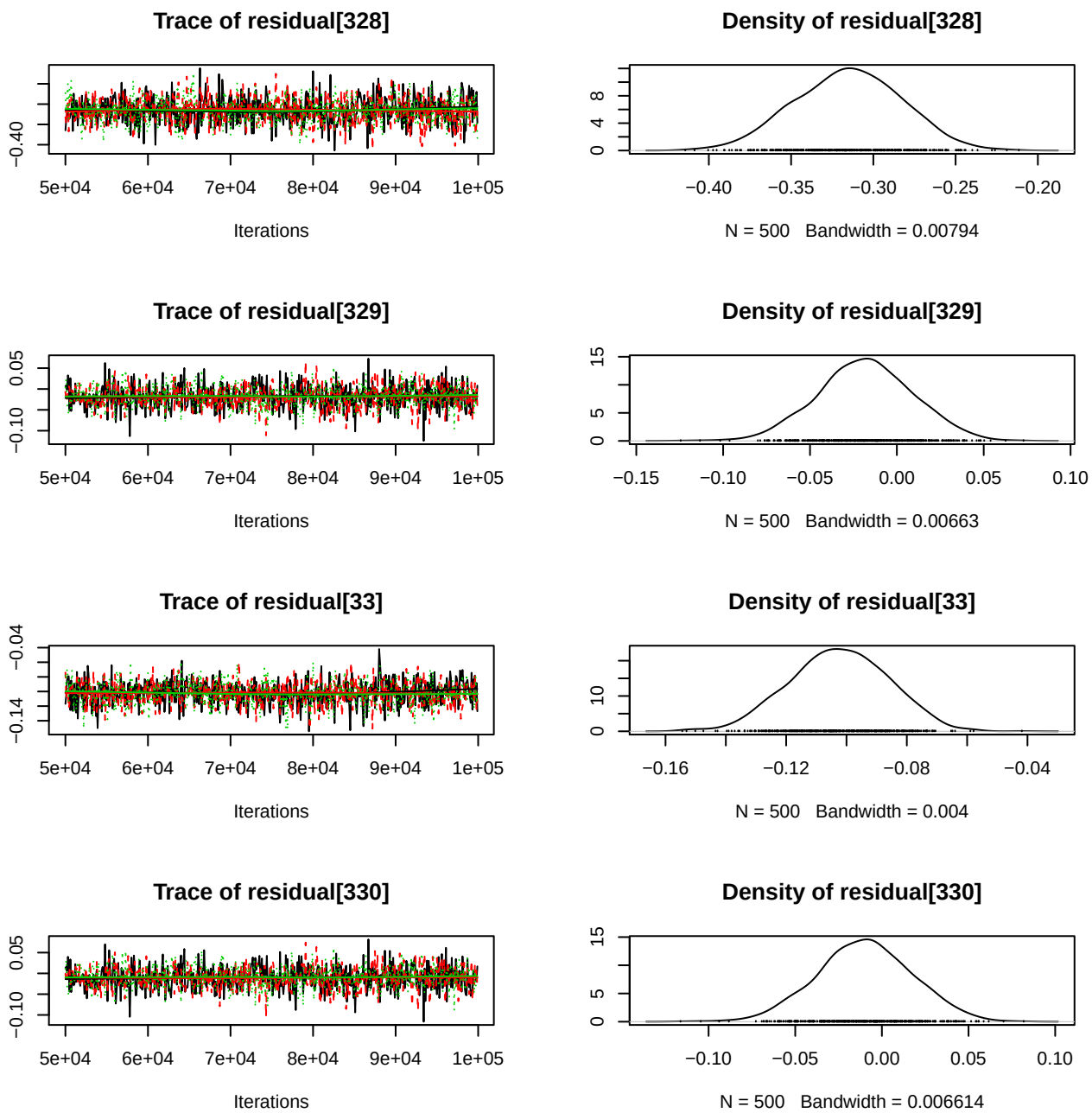

Trace of residual[31]
Iterations
Density of residual[31]
N = 500 Bandwidth = 0.004606
Trace of residual[310]
Iterations
Density of residual[310]
N = 500 Bandwidth = 0.009048
Trace of residual[311]
Iterations
Density of residual[311]
N = 500 Bandwidth = 0.006303
Trace of residual[312]
Iterations
Density of residual[312]
N = 500 Bandwidth = 0.02221

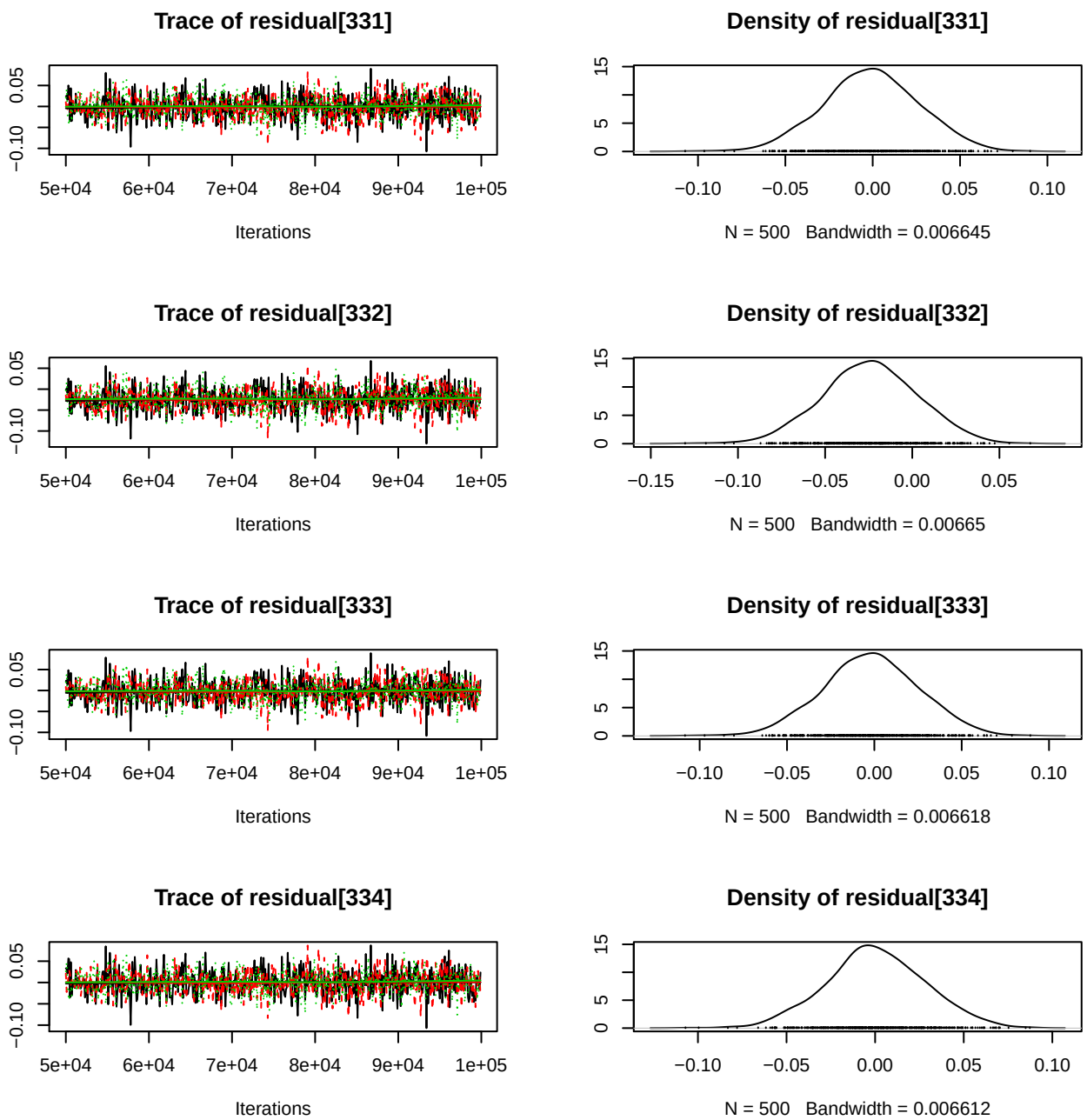

Trace of residual[313]
−0.12
−0.02
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[313]
0
10
20
−0.14
−0.10
−0.06
−0.02
0.00
N = 500 Bandwidth = 0.004155
Trace of residual[314]
−0.06
0.04
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[314]
0
10
20
−0.05
0.00
0.05
N = 500 Bandwidth = 0.004371
Trace of residual[315]
−0.04
0.06
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[315]
0
10
20
−0.05
0.00
0.05
N = 500 Bandwidth = 0.004324
Trace of residual[316]
−0.12
−0.02
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[316]
0
10
20
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.004349

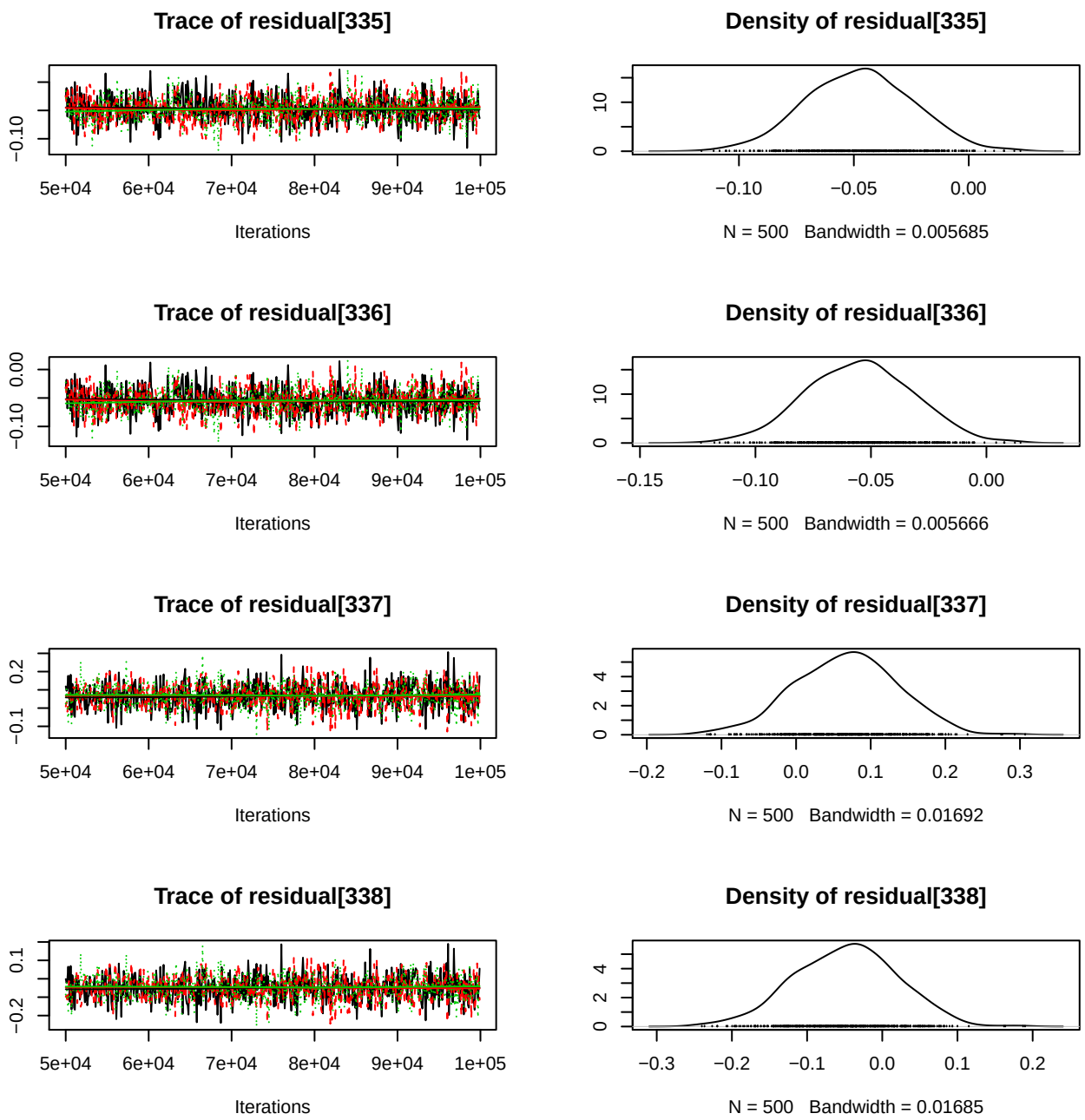

Trace of residual[317]
Iterations
Density of residual[317]
N = 500 Bandwidth = 0.004357
Trace of residual[318]
Iterations
Density of residual[318]
N = 500 Bandwidth = 0.004487
Trace of residual[319]
Iterations
Density of residual[319]
N = 500 Bandwidth = 0.004276
Trace of residual[32]
Iterations
Density of residual[32]
N = 500 Bandwidth = 0.004373

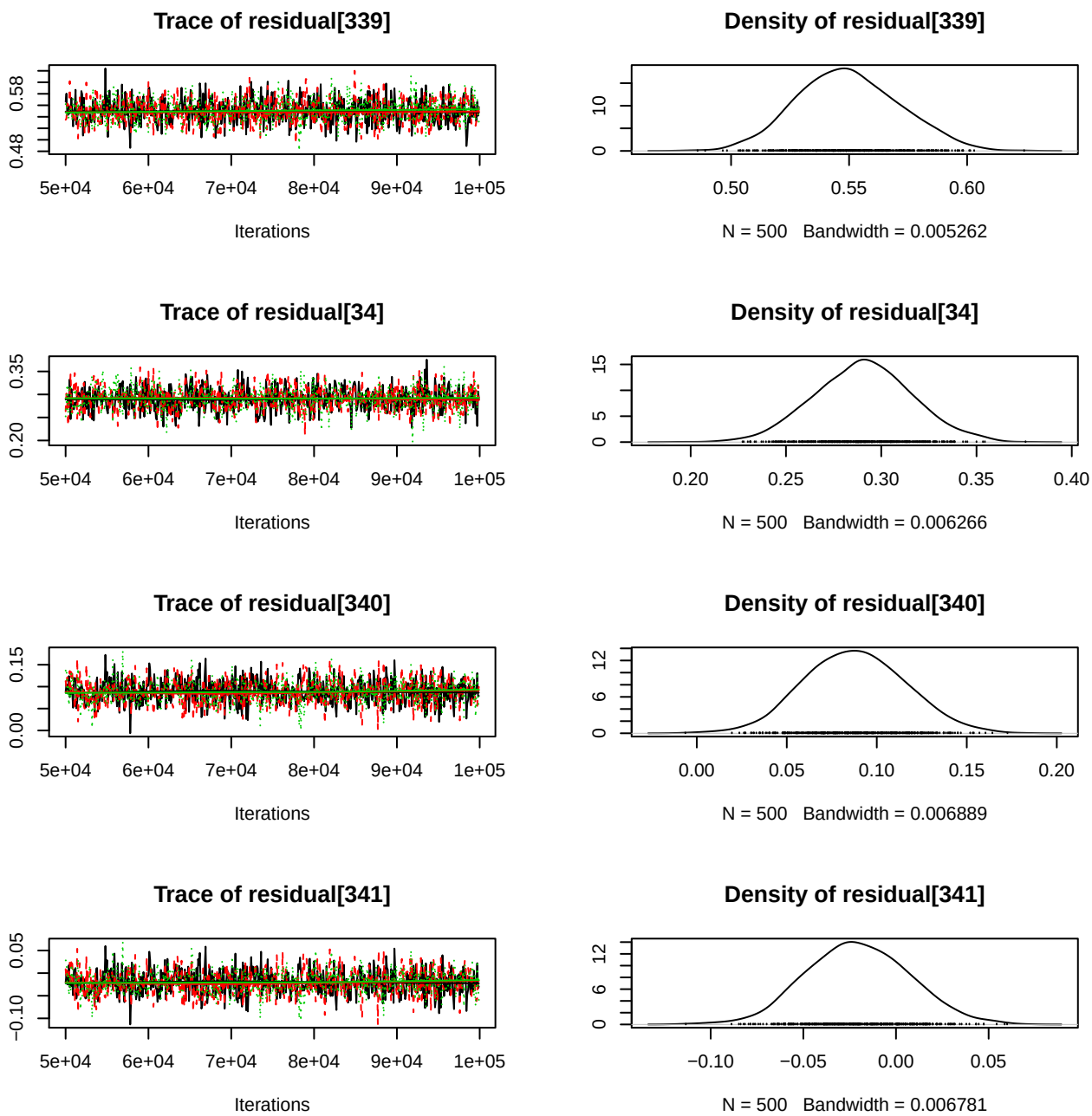

Trace of residual[320]
Iterations
Density of residual[320]
N = 500 Bandwidth = 0.004255
Trace of residual[321]
Iterations
Density of residual[321]
N = 500 Bandwidth = 0.004177
Trace of residual[322]
Iterations
Density of residual[322]
N = 500 Bandwidth = 0.004173
Trace of residual[323]
Iterations
Density of residual[323]
N = 500 Bandwidth = 0.004339

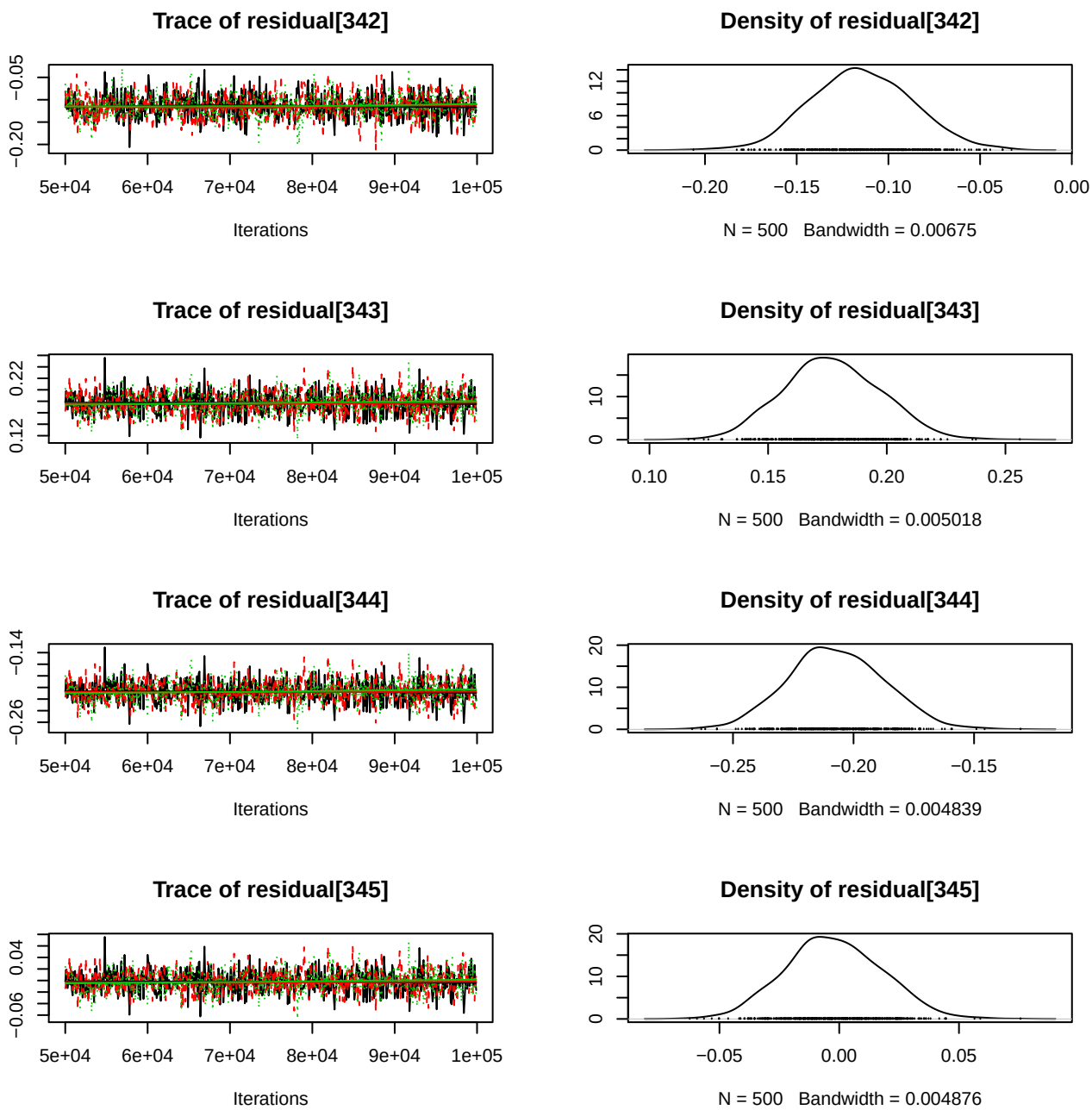

Trace of residual[324]
−0.12
−0.02
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[324]
0
10
20
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.004289
Trace of residual[325]
−0.08
0.02
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[325]
0
10
20
−0.10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.004473
Trace of residual[326]
−0.06
0.04
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[326]
0
10
20
−0.05
0.00
0.05
N = 500 Bandwidth = 0.004448
Trace of residual[327]
0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[327]
0
5
15
0.05
0.10
0.15
0.20
0.25
N = 500 Bandwidth = 0.006246

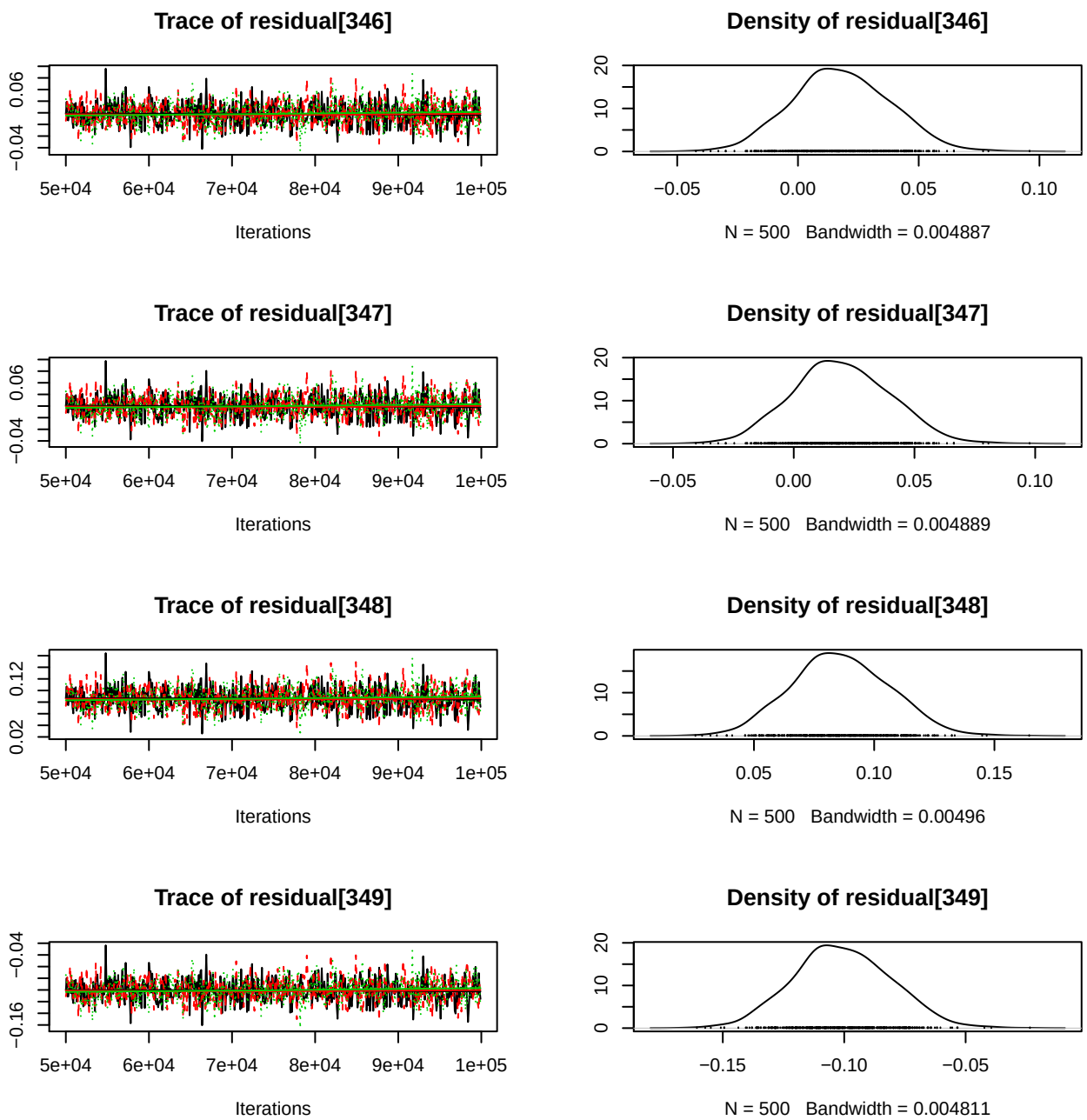

Trace of residual[328]
−0.40
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[328]
0
4
8
−0.40
−0.35
−0.30
−0.25
−0.20
N = 500 Bandwidth = 0.00794
Trace of residual[329]
−0.10
0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[329]
0
5
15
−0.15
−0.10
−0.05
0.00
0.05
0.10
N = 500 Bandwidth = 0.00663
Trace of residual[33]
−0.14
−0.04
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[33]
0
10
−0.16
−0.12
−0.08
−0.04
N = 500 Bandwidth = 0.004
Trace of residual[330]
−0.10
0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[330]
0
5
15
−0.10
−0.05
0.00
0.05
0.10
N = 500 Bandwidth = 0.006614

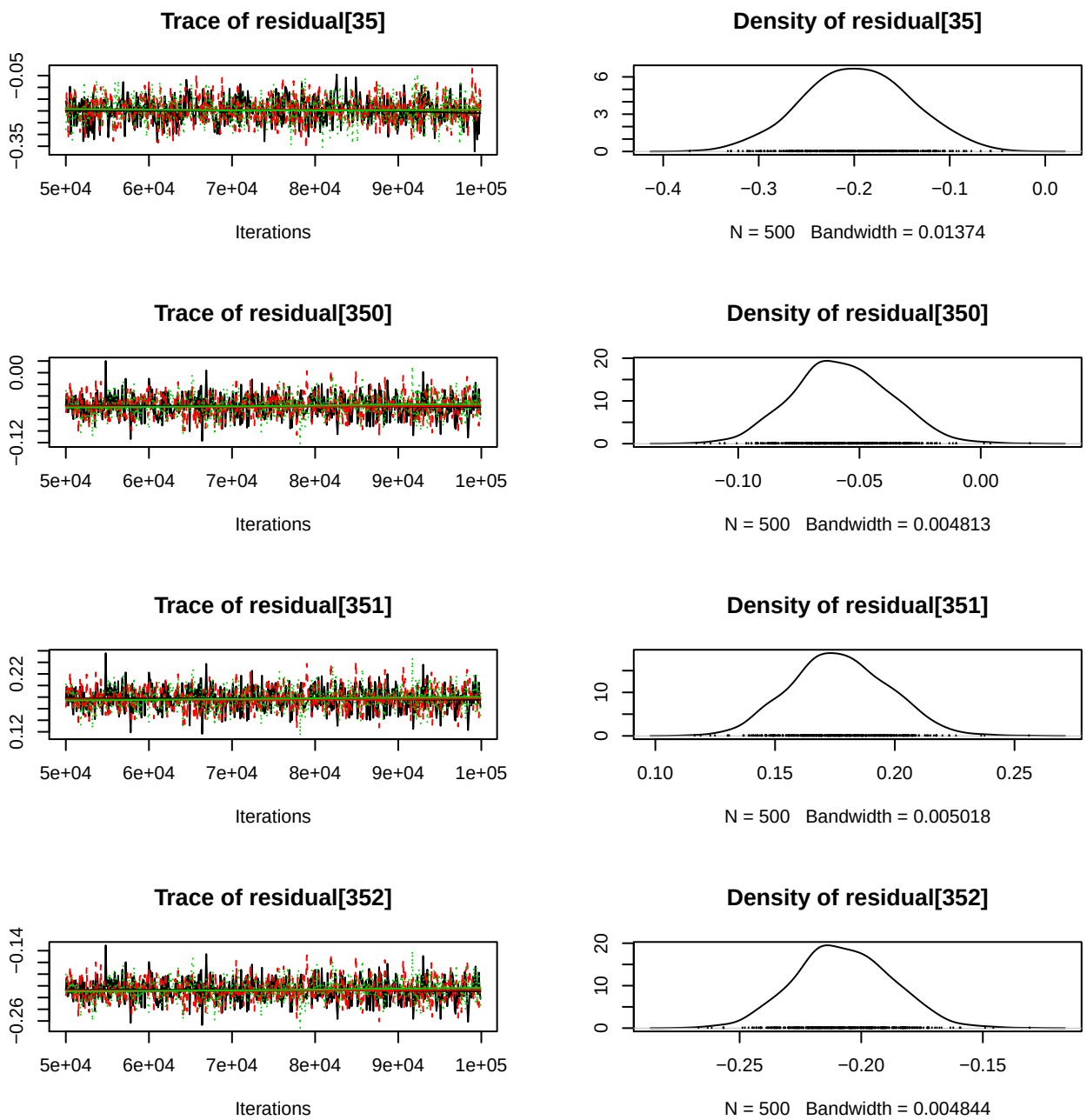

Trace of residual[331]
Iterations
Density of residual[331]
N = 500 Bandwidth = 0.006645
Trace of residual[332]
Iterations
Density of residual[332]
N = 500 Bandwidth = 0.00665
Trace of residual[333]
Iterations
Density of residual[333]
N = 500 Bandwidth = 0.006618
Trace of residual[334]
Iterations
Density of residual[334]
N = 500 Bandwidth = 0.006612

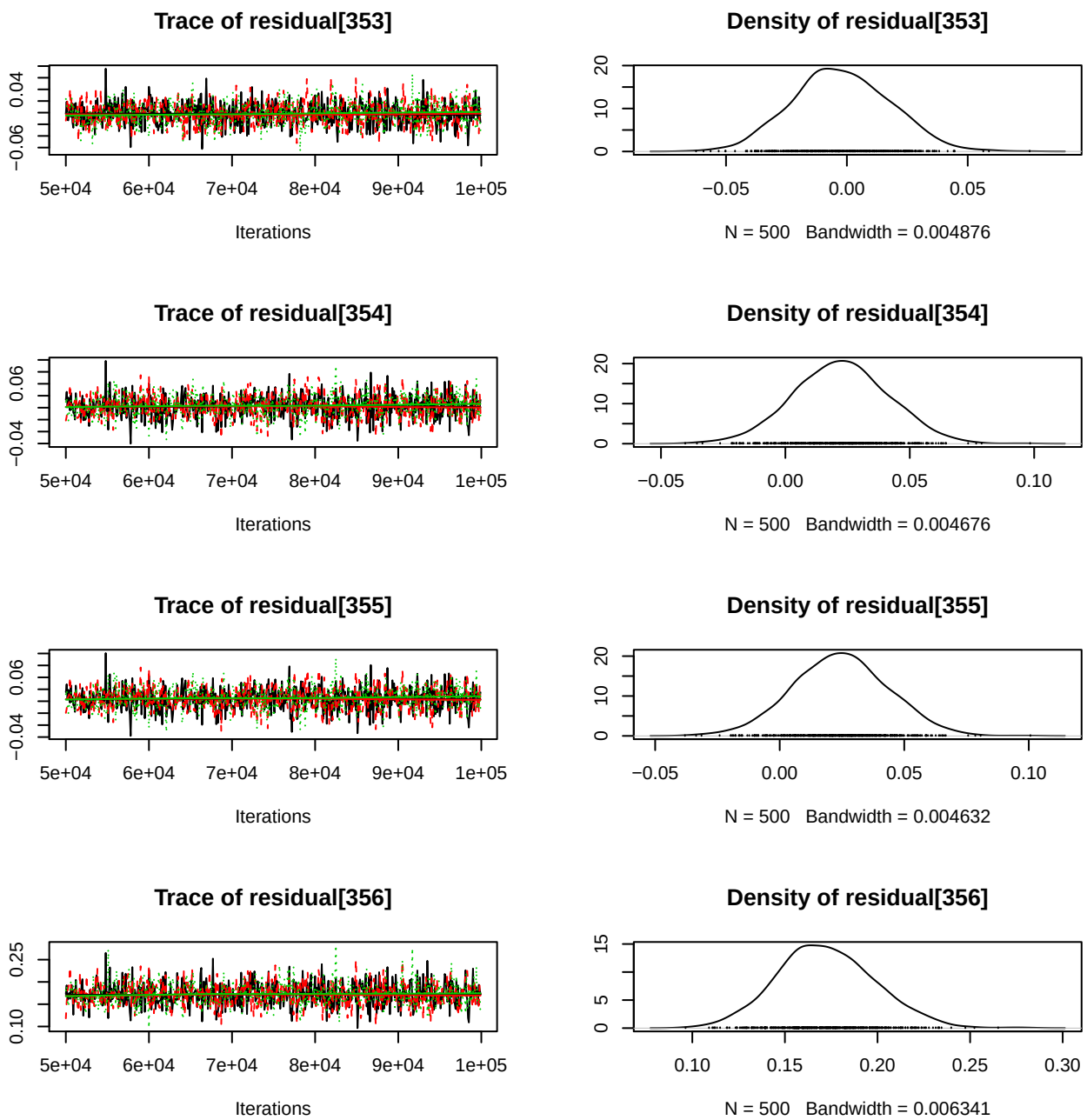

Trace of residual[335]
−0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[335]
0
10
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.005685
Trace of residual[336]
−0.10
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[336]
0
10
−0.15
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.005666
Trace of residual[337]
−0.1
0.2
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[337]
0
2
4
−0.2
−0.1
0.0
0.1
0.2
0.3
N = 500 Bandwidth = 0.01692
Trace of residual[338]
−0.2
0.1
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[338]
0
2
4
−0.3
−0.2
−0.1
0.0
0.1
0.2
N = 500 Bandwidth = 0.01685

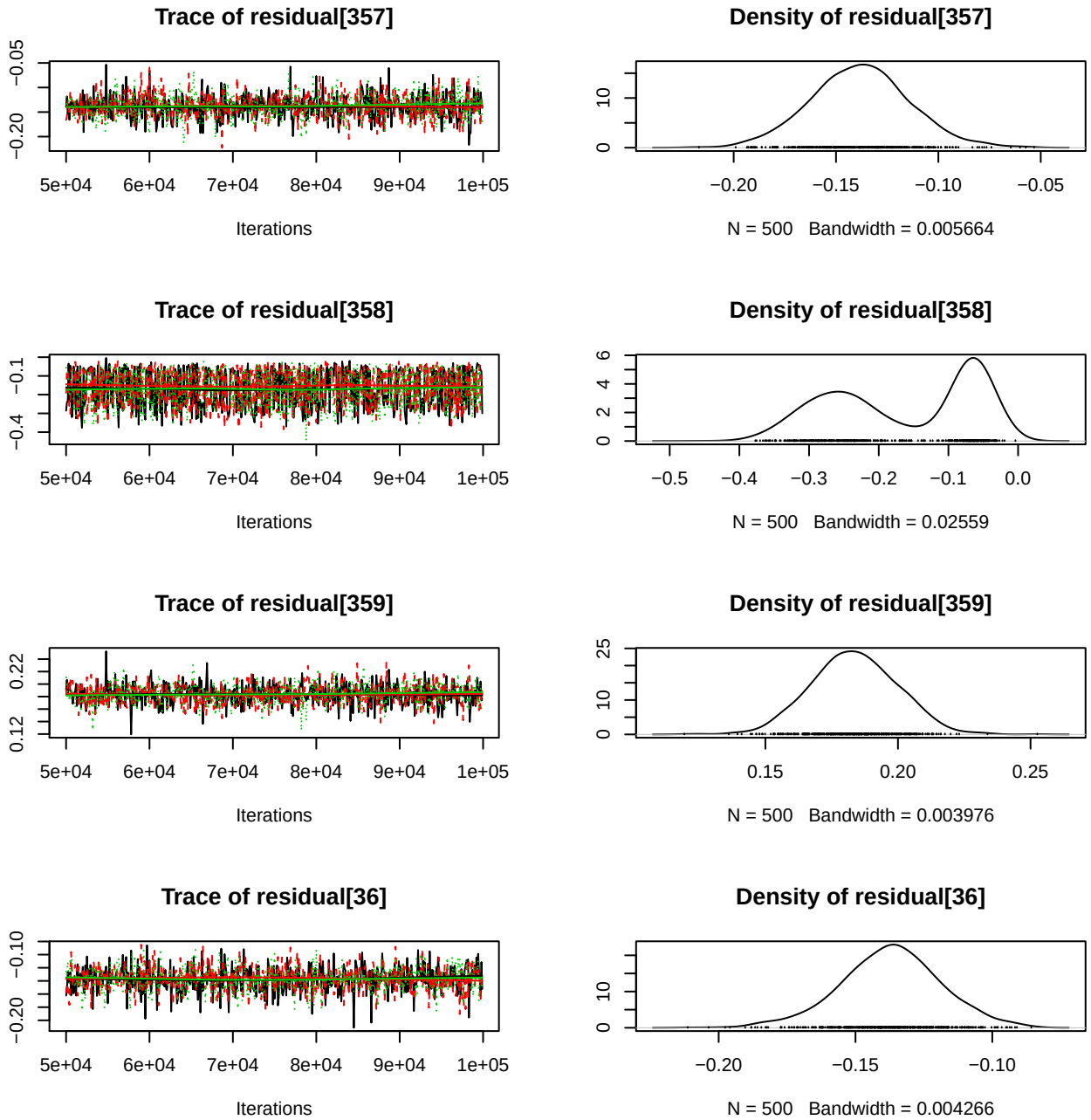

Trace of residual[339]
0.48
0.58
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[339]
0
10
0.50
0.55
0.60
N = 500 Bandwidth = 0.005262
Trace of residual[34]
0.20
0.35
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[34]
0
5
15
0.20
0.25
0.30
0.35
0.40
N = 500 Bandwidth = 0.006266
Trace of residual[340]
0.00
0.15
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[340]
0
6
12
0.00
0.05
0.10
0.15
0.20
N = 500 Bandwidth = 0.006889
Trace of residual[341]
−0.10
0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[341]
0
6
12
−0.10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.006781

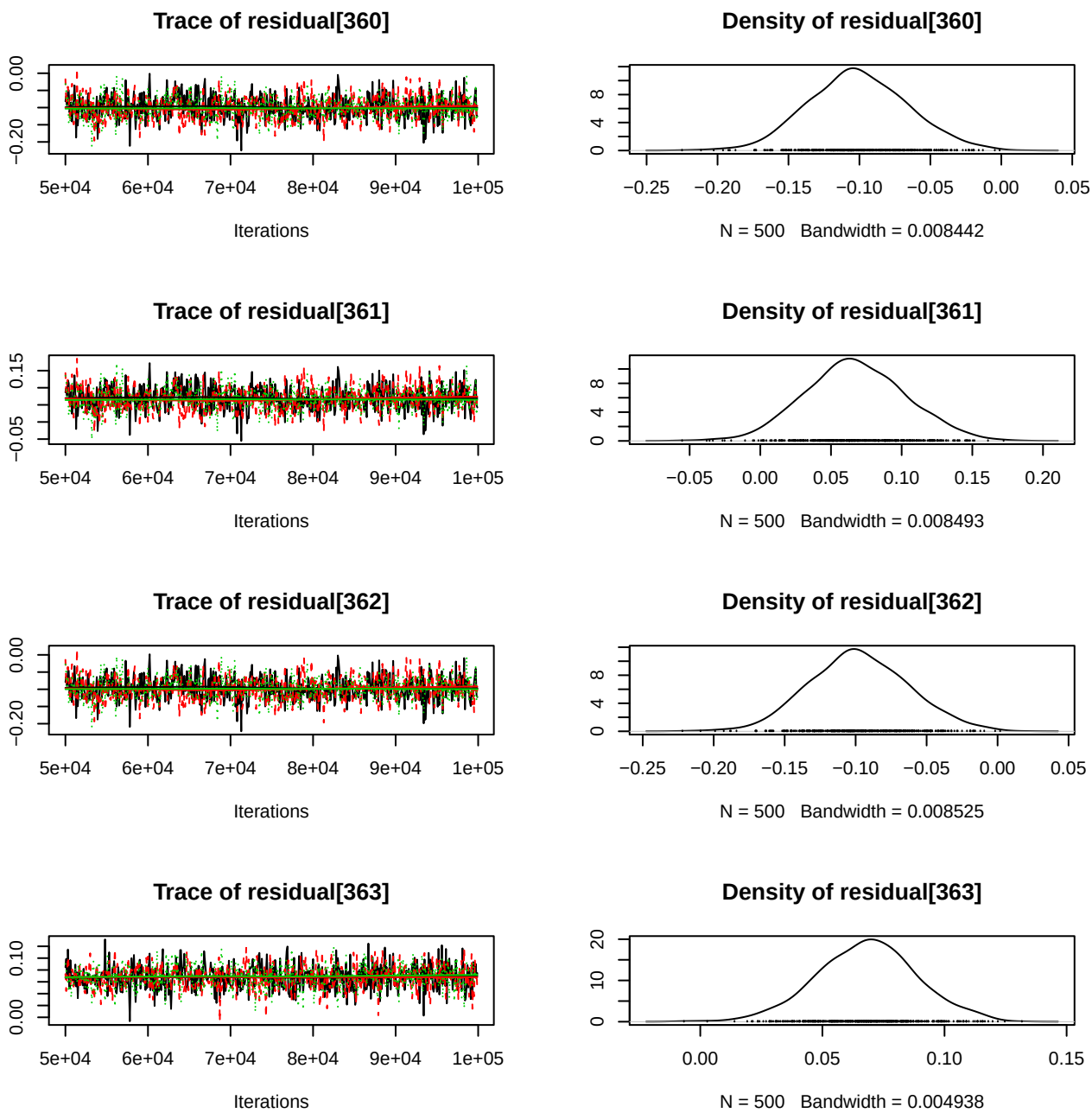

Trace of residual[342]
−0.20
−0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[342]
0
6
12
−0.20
−0.15
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.00675
Trace of residual[343]
0.12
0.22
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[343]
0
10
0.10
0.15
0.20
0.25
N = 500 Bandwidth = 0.005018
Trace of residual[344]
−0.26
−0.14
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[344]
0
10
20
−0.25
−0.20
−0.15
N = 500 Bandwidth = 0.004839
Trace of residual[345]
−0.06
0.04
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[345]
0
10
20
−0.05
0.00
0.05
N = 500 Bandwidth = 0.004876

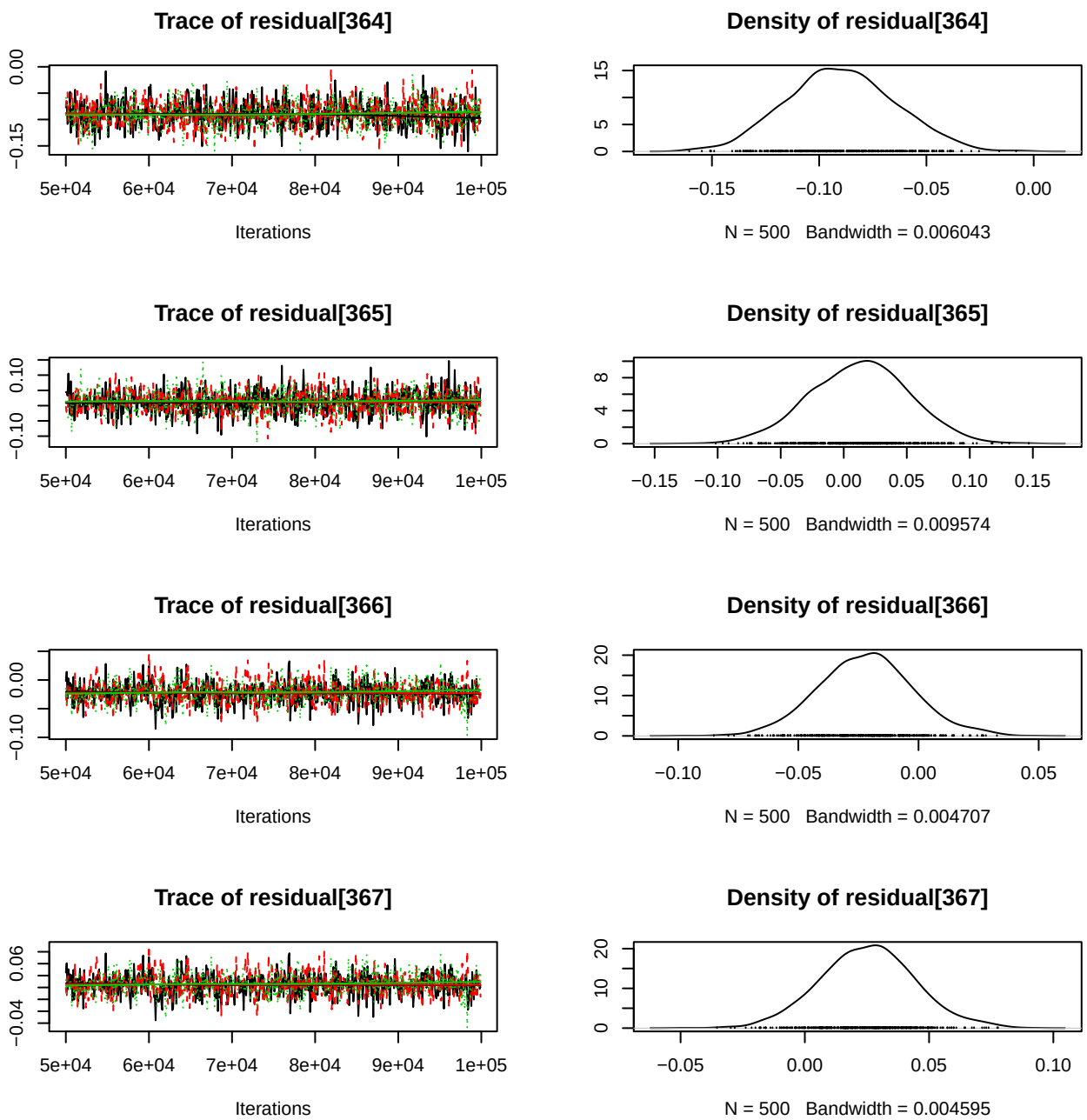

Trace of residual[346]
Iterations
Density of residual[346]
N = 500 Bandwidth = 0.004887
Trace of residual[347]
Iterations
Density of residual[347]
N = 500 Bandwidth = 0.004889
Trace of residual[348]
Iterations
Density of residual[348]
N = 500 Bandwidth = 0.00496
Trace of residual[349]
Iterations
Density of residual[349]
N = 500 Bandwidth = 0.004811

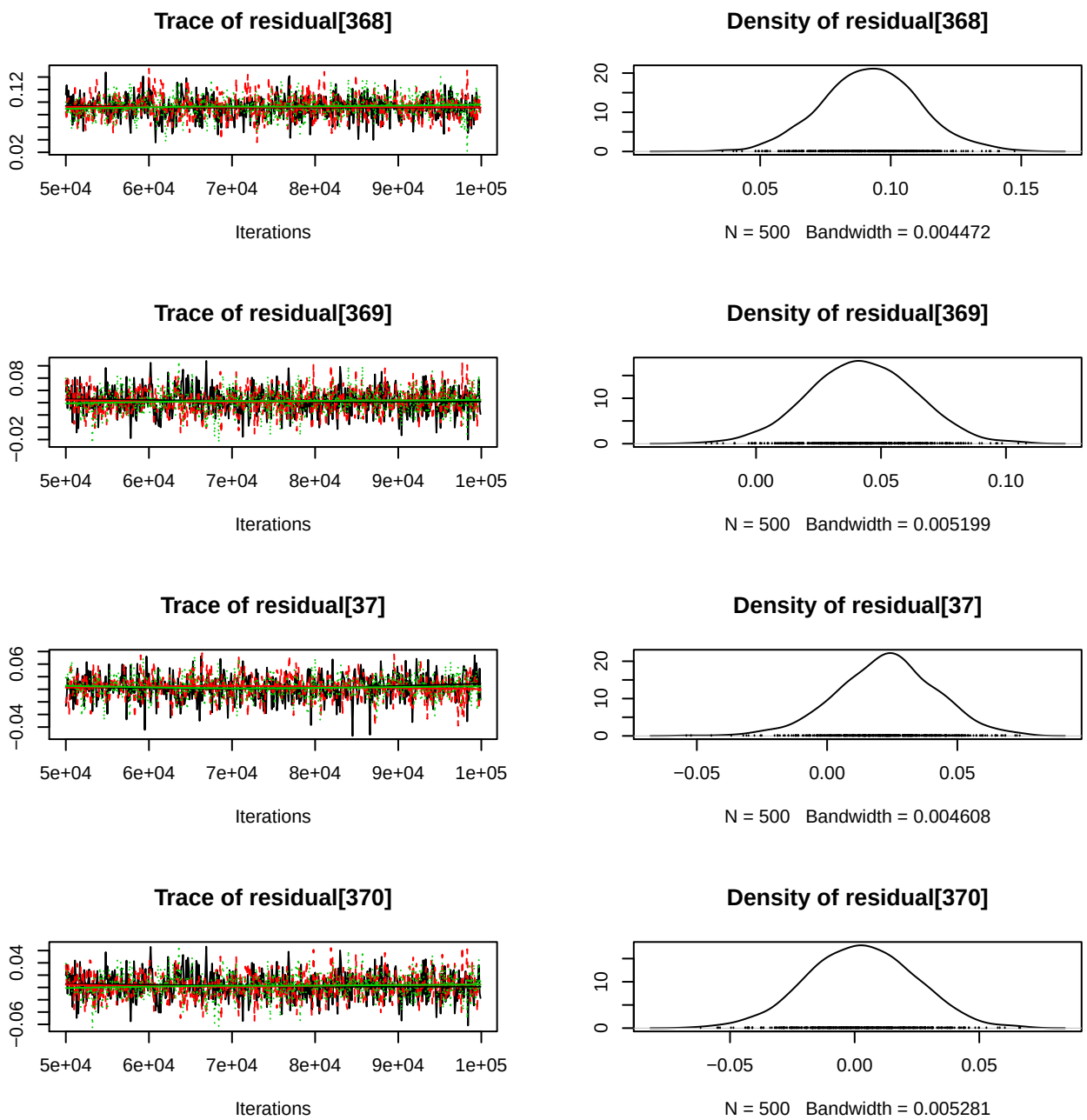

Trace of residual[35]
−0.35
−0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[35]
0
3
6
−0.4
−0.3
−0.2
−0.1
0.0
N = 500 Bandwidth = 0.01374
Trace of residual[350]
−0.12
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[350]
0
10
20
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.004813
Trace of residual[351]
0.12
0.22
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[351]
0
10
0.10
0.15
0.20
0.25
N = 500 Bandwidth = 0.005018
Trace of residual[352]
−0.26
−0.14
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[352]
0
10
20
−0.25
−0.20
−0.15
N = 500 Bandwidth = 0.004844

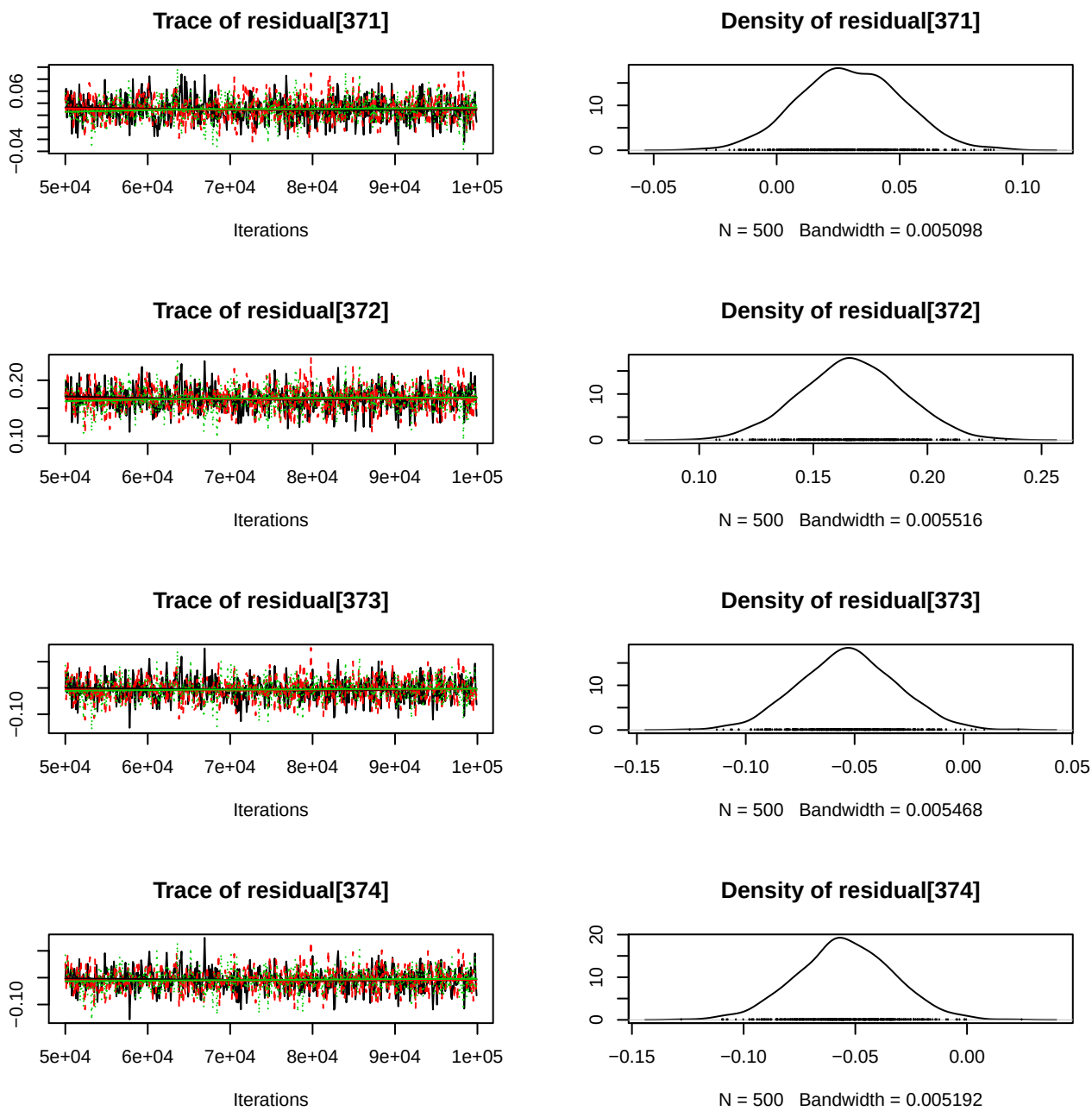

Trace of residual[353]
Iterations
Density of residual[353]
N = 500 Bandwidth = 0.004876
Trace of residual[354]
Iterations
Density of residual[354]
N = 500 Bandwidth = 0.004676
Trace of residual[355]
Iterations
Density of residual[355]
N = 500 Bandwidth = 0.004632
Trace of residual[356]
Iterations
Density of residual[356]
N = 500 Bandwidth = 0.006341

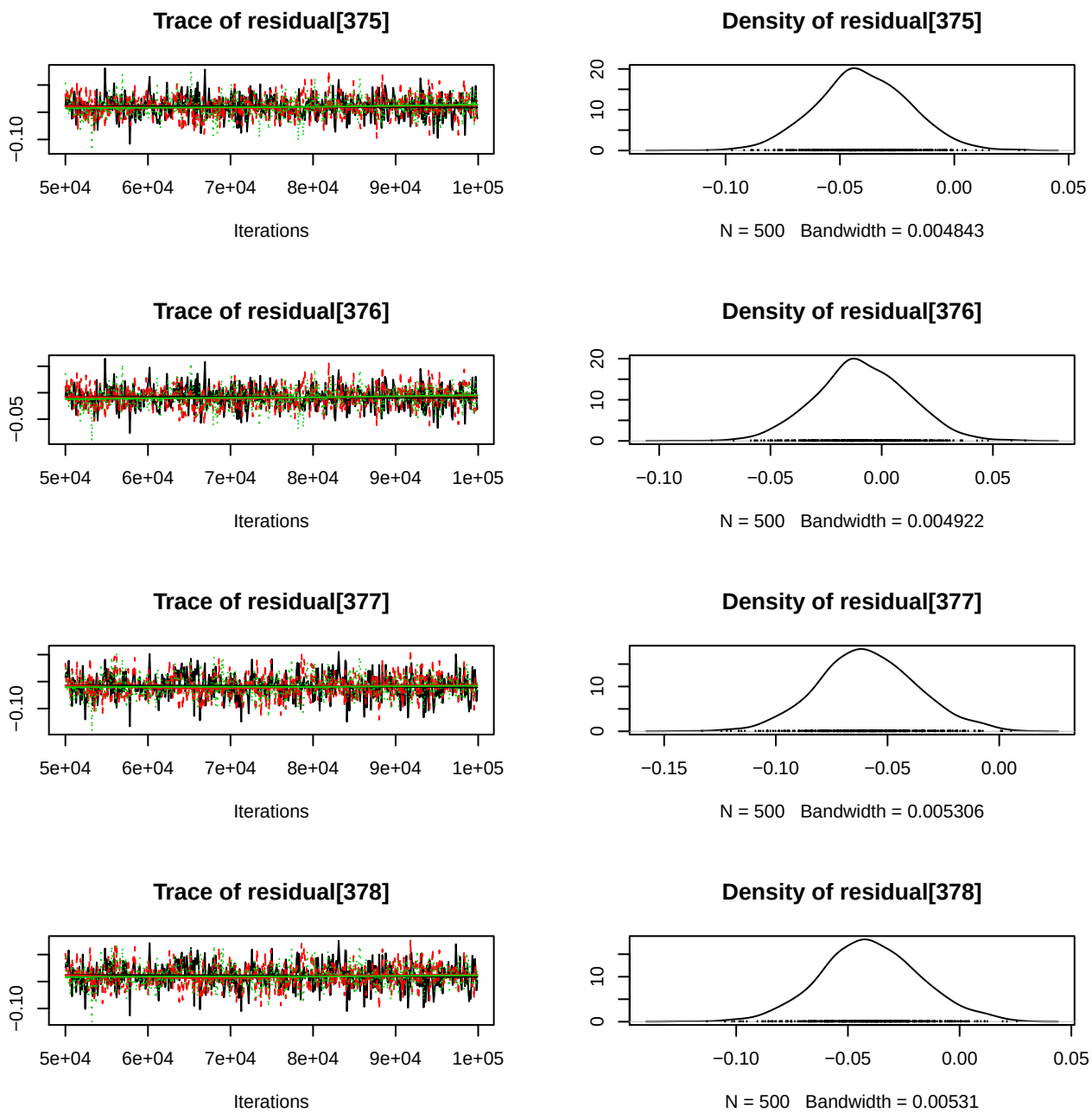

Trace of residual[357]
−0.05
−0.20
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[357]
10
0
−0.20
−0.15
−0.10
−0.05
N = 500 Bandwidth = 0.005664
Trace of residual[358]
−0.1
−0.4
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[358]
6
4
2
0
−0.5
−0.4
−0.3
−0.2
−0.1
0.0
N = 500 Bandwidth = 0.02559
Trace of residual[359]
0.22
0.12
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[359]
25
10
0
0.15
0.20
0.25
N = 500 Bandwidth = 0.003976
Trace of residual[36]
−0.10
−0.20
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[36]
10
0
−0.20
−0.15
−0.10
N = 500 Bandwidth = 0.004266

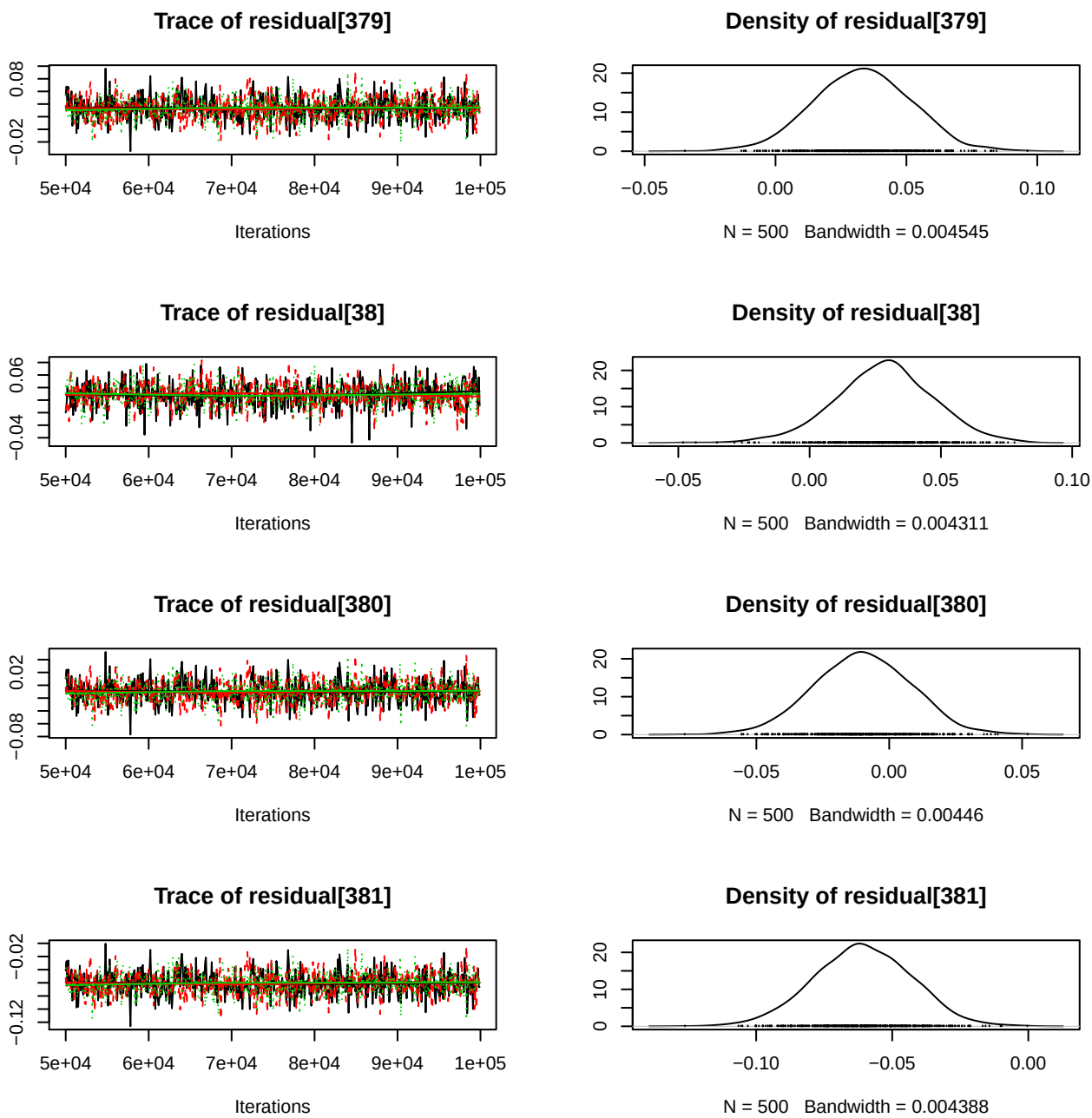

Trace of residual[360]
Iterations
Density of residual[360]
N = 500 Bandwidth = 0.008442
Trace of residual[361]
Iterations
Density of residual[361]
N = 500 Bandwidth = 0.008493
Trace of residual[362]
Iterations
Density of residual[362]
N = 500 Bandwidth = 0.008525
Trace of residual[363]
Iterations
Density of residual[363]
N = 500 Bandwidth = 0.004938

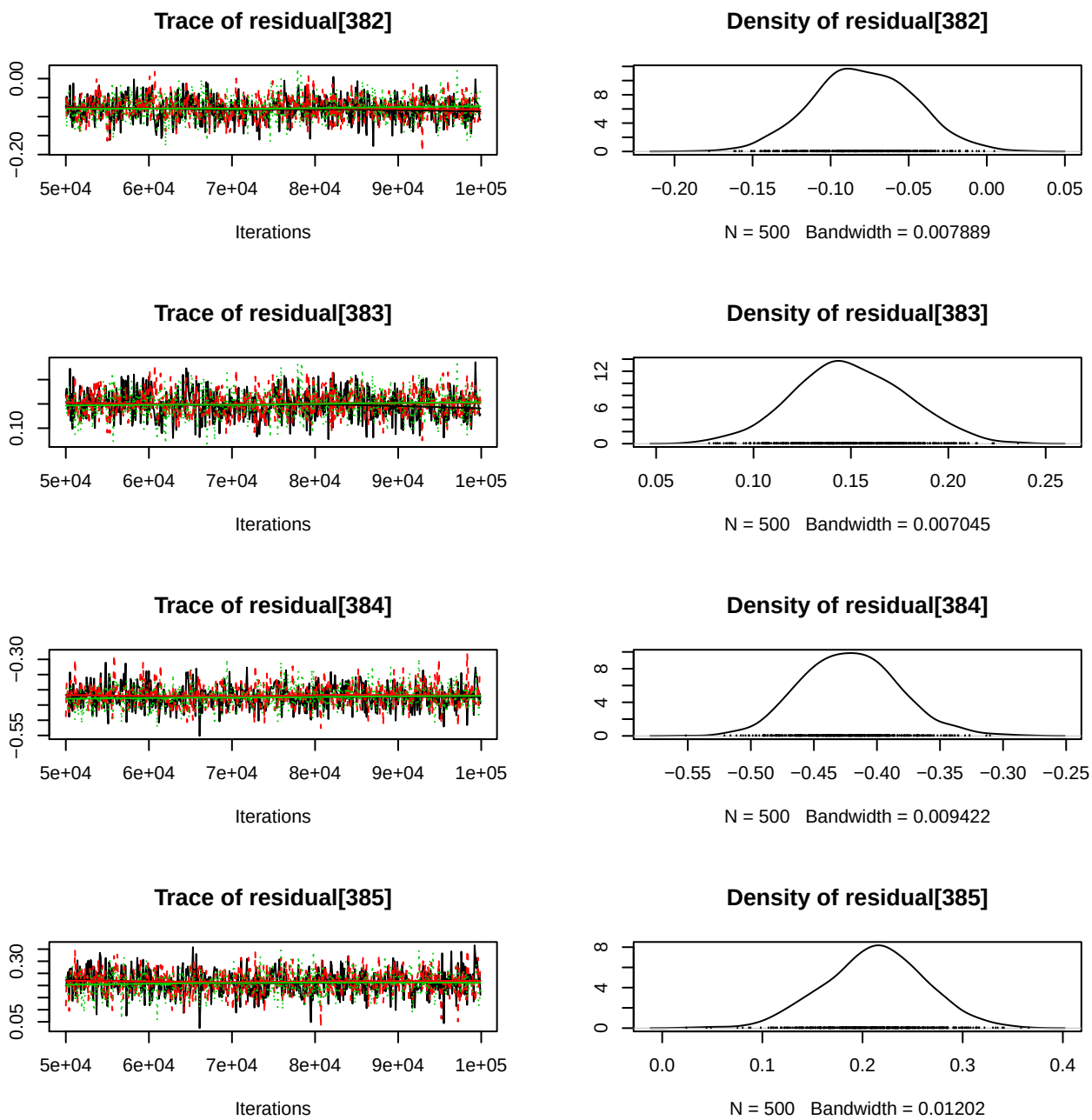

Trace of residual[364]
Iterations
Density of residual[364]
N = 500 Bandwidth = 0.006043
Trace of residual[365]
Iterations
Density of residual[365]
N = 500 Bandwidth = 0.009574
Trace of residual[366]
Iterations
Density of residual[366]
N = 500 Bandwidth = 0.004707
Trace of residual[367]
Iterations
Density of residual[367]
N = 500 Bandwidth = 0.004595

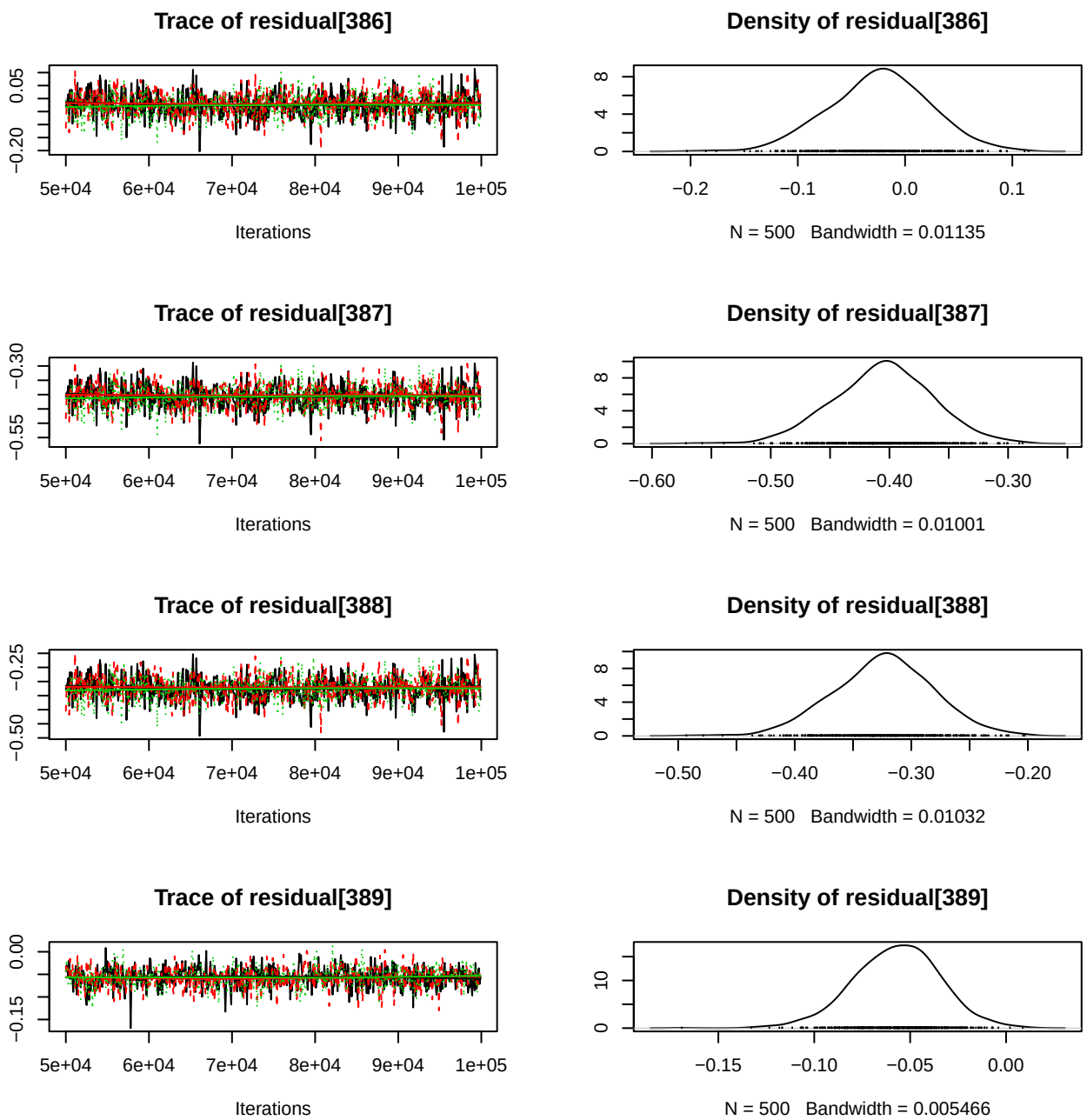

Trace of residual[368]
0.02
0.12
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[368]
0
10
20
0.05
0.10
0.15
N = 500 Bandwidth = 0.004472
Trace of residual[369]
−0.02
0.08
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[369]
0
10
0.00
0.05
0.10
N = 500 Bandwidth = 0.005199
Trace of residual[37]
−0.04
0.06
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[37]
0
10
20
−0.05
0.00
0.05
N = 500 Bandwidth = 0.004608
Trace of residual[370]
−0.06
0.04
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[370]
0
10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.005281

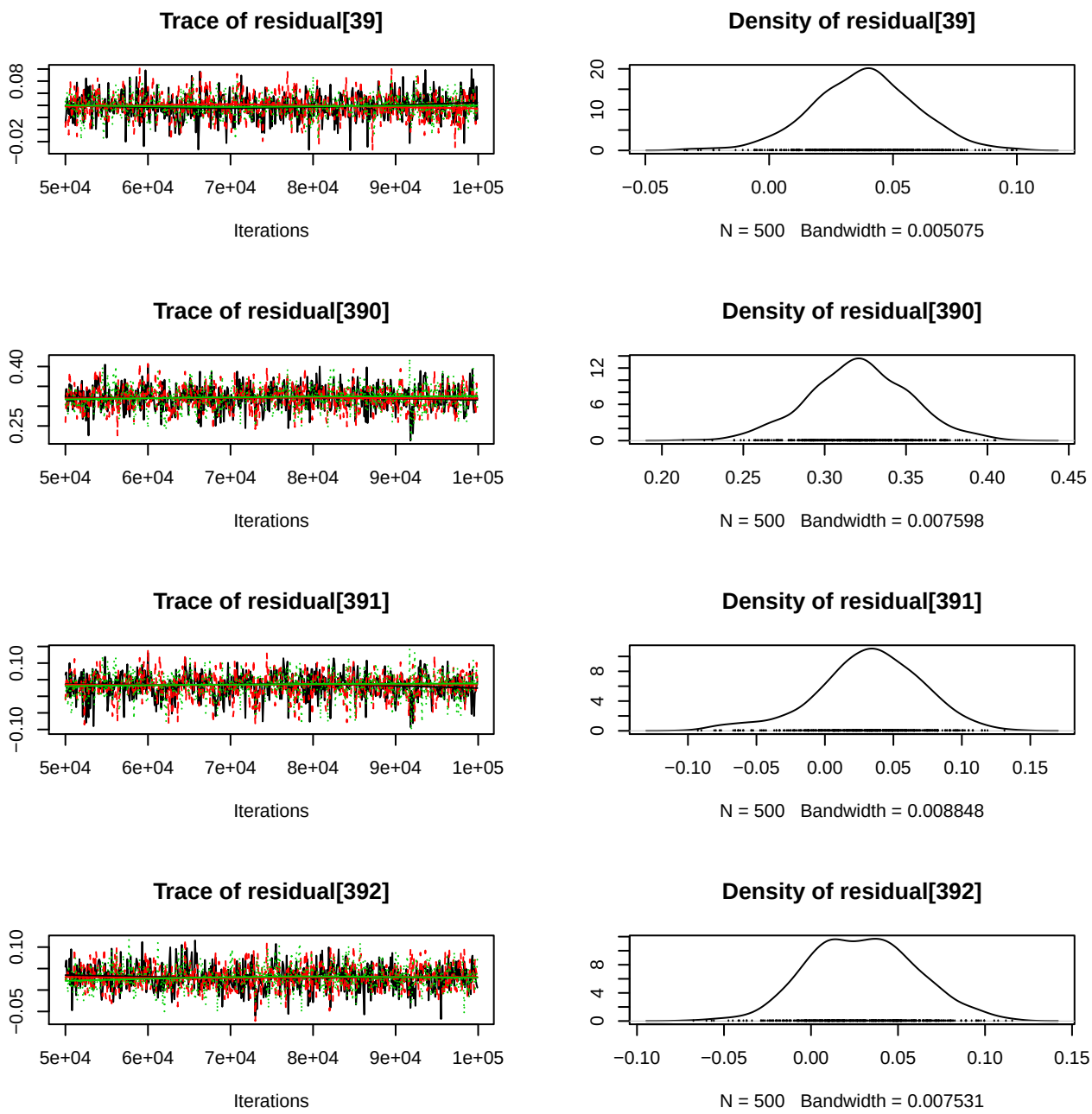

Trace of residual[371]
Density of residual[371]
Iterations
N = 500 Bandwidth = 0.005098
Trace of residual[372]
Density of residual[372]
Iterations
N = 500 Bandwidth = 0.005516
Trace of residual[373]
Density of residual[373]
Iterations
N = 500 Bandwidth = 0.005468
Trace of residual[374]
Density of residual[374]
Iterations
N = 500 Bandwidth = 0.005192

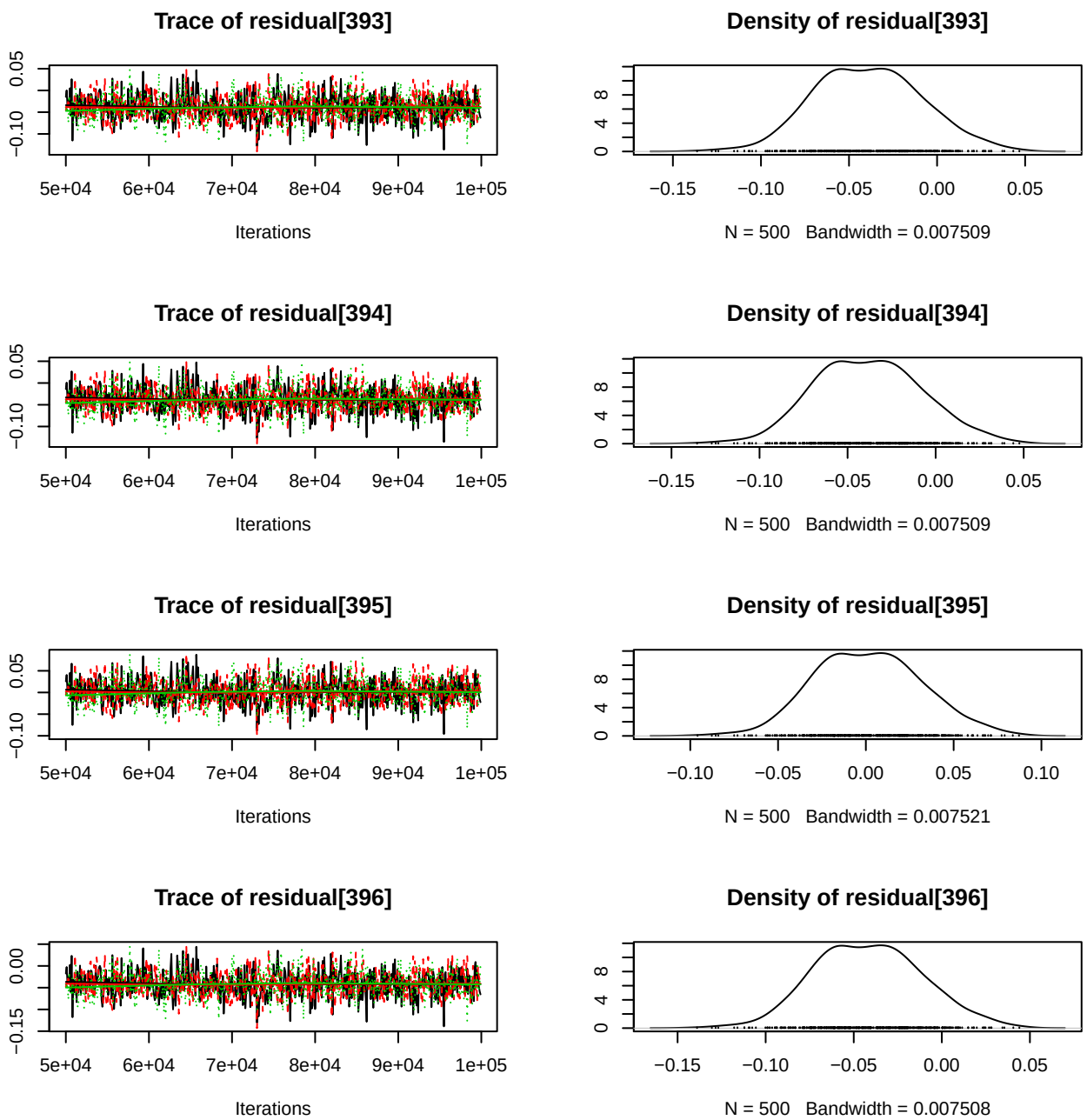

Trace of residual[375]
−0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[375]
0
10
20
−0.10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.004843
Trace of residual[376]
−0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[376]
0
10
20
−0.10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.004922
Trace of residual[377]
−0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[377]
0
10
−0.15
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.005306
Trace of residual[378]
−0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[378]
0
10
−0.10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.00531

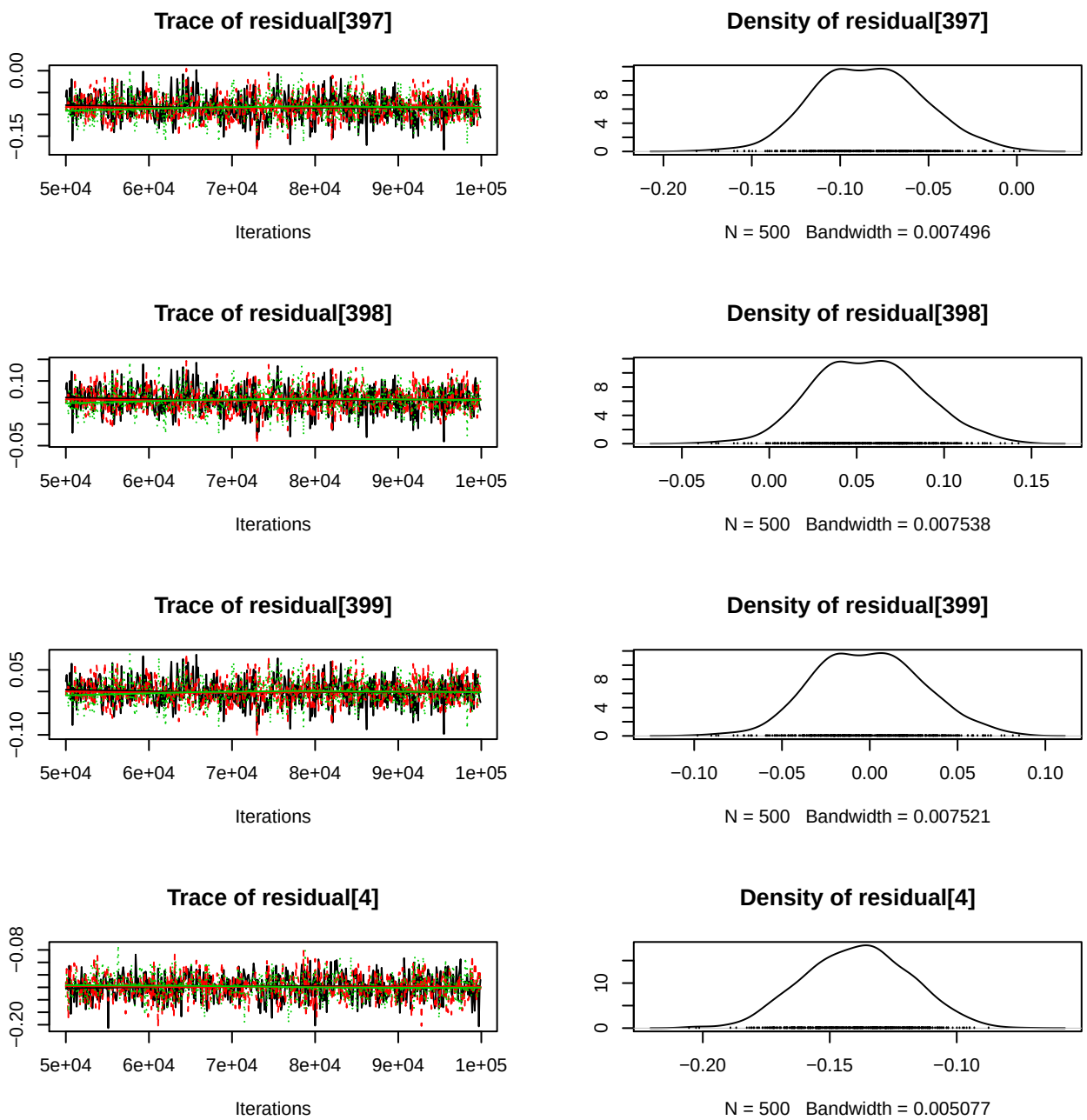

Trace of residual[379]
Iterations
Density of residual[379]
N = 500 Bandwidth = 0.004545
Trace of residual[38]
Iterations
Density of residual[38]
N = 500 Bandwidth = 0.004311
Trace of residual[380]
Iterations
Density of residual[380]
N = 500 Bandwidth = 0.00446
Trace of residual[381]
Iterations
Density of residual[381]
N = 500 Bandwidth = 0.004388

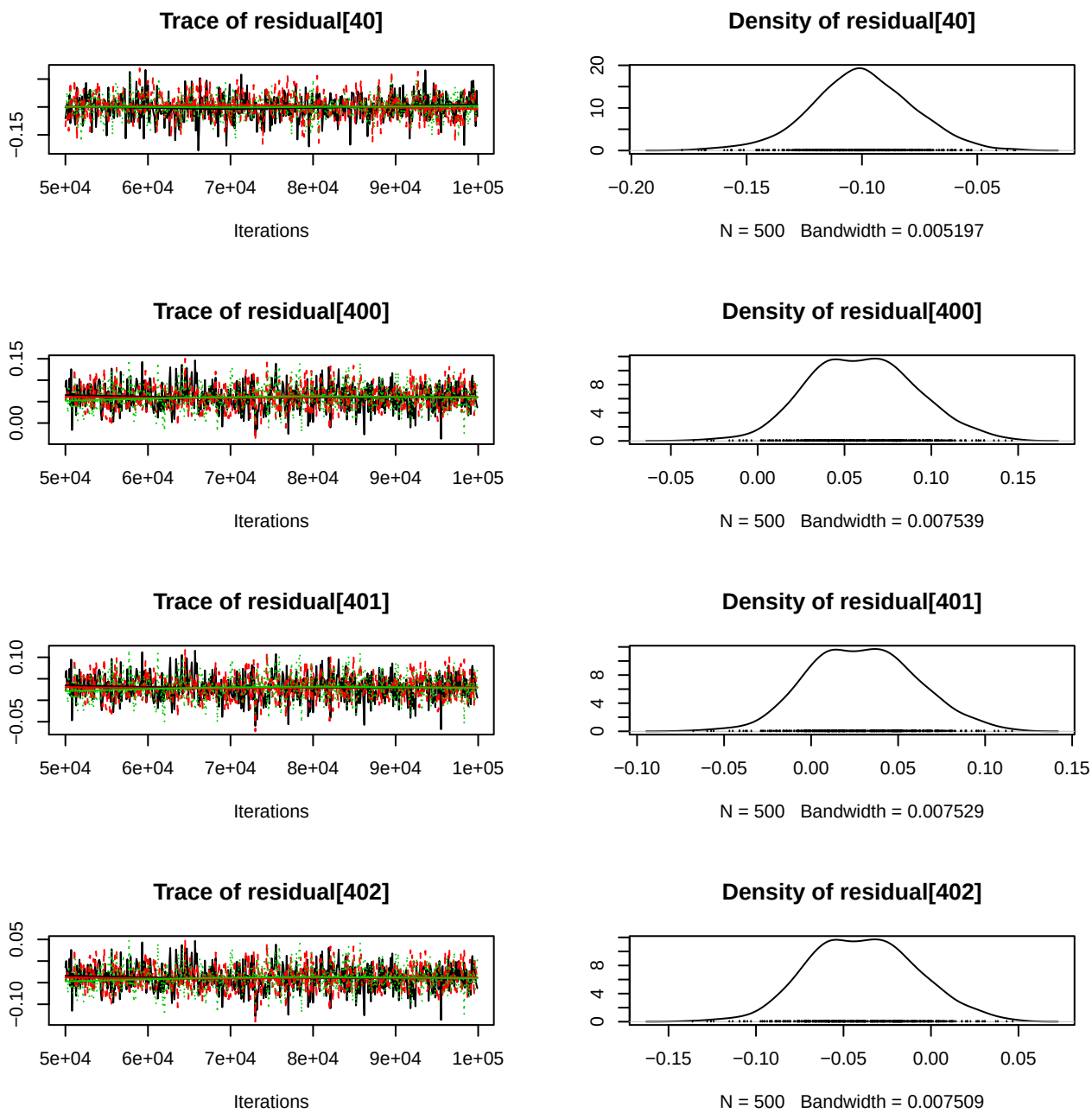

Trace of residual[382]
Iterations
Density of residual[382]
N = 500 Bandwidth = 0.007889
Trace of residual[383]
Iterations
Density of residual[383]
N = 500 Bandwidth = 0.007045
Trace of residual[384]
Iterations
Density of residual[384]
N = 500 Bandwidth = 0.009422
Trace of residual[385]
Iterations
Density of residual[385]
N = 500 Bandwidth = 0.01202

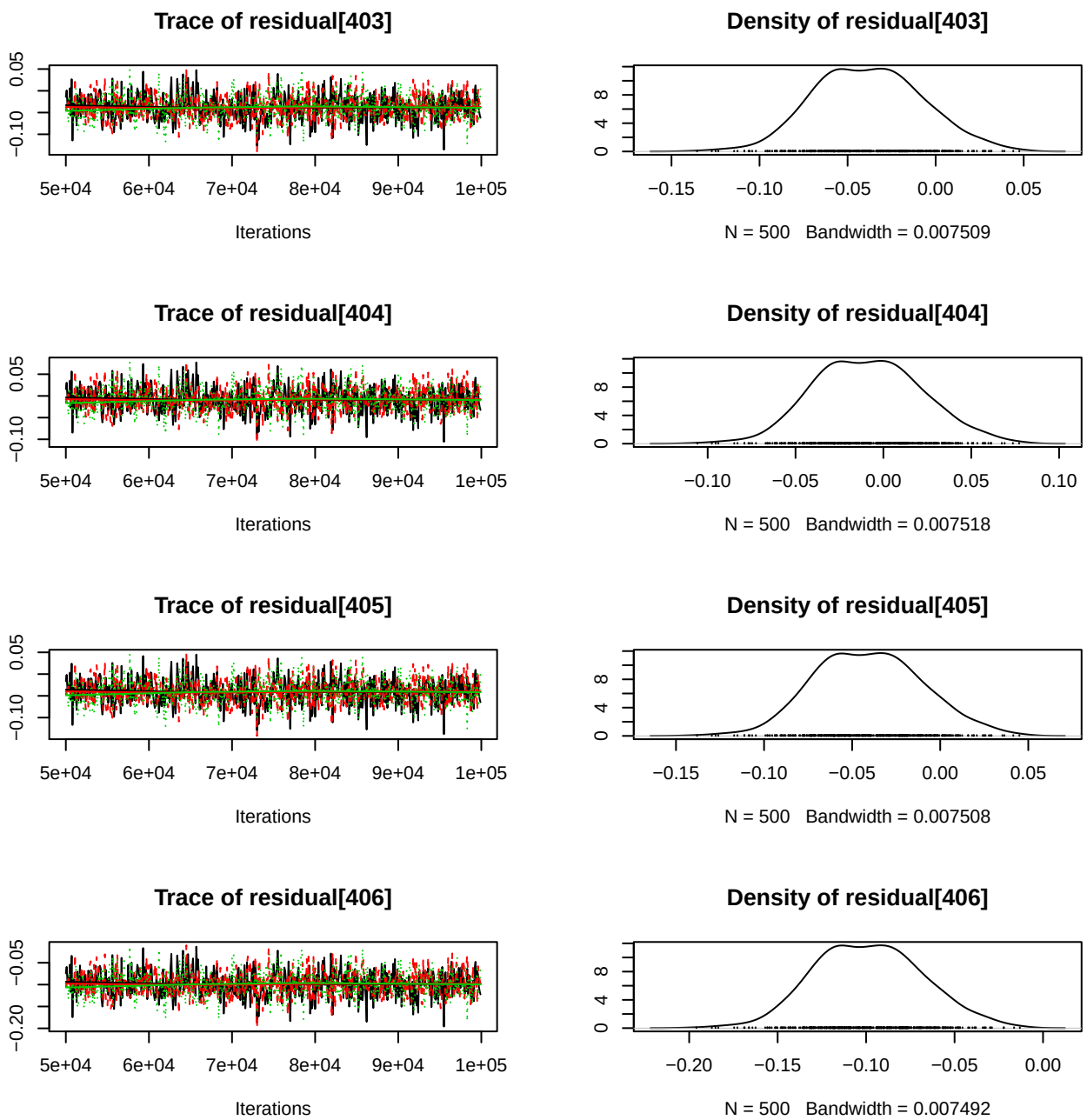

Trace of residual[386]
Iterations
Density of residual[386]
N = 500 Bandwidth = 0.01135
Trace of residual[387]
Iterations
Density of residual[387]
N = 500 Bandwidth = 0.01001
Trace of residual[388]
Iterations
Density of residual[388]
N = 500 Bandwidth = 0.01032
Trace of residual[389]
Iterations
Density of residual[389]
N = 500 Bandwidth = 0.005466

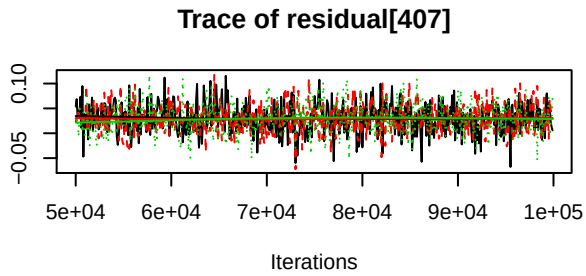

Trace of residual[39]
Iterations
Density of residual[39]
N = 500 Bandwidth = 0.005075
Trace of residual[390]
Iterations
Density of residual[390]
N = 500 Bandwidth = 0.007598
Trace of residual[391]
Iterations
Density of residual[391]
N = 500 Bandwidth = 0.008848
Trace of residual[392]
Iterations
Density of residual[392]
N = 500 Bandwidth = 0.007531

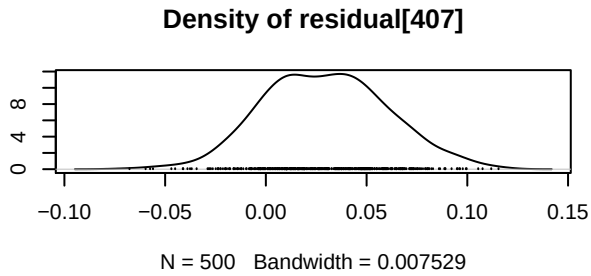

Trace of residual[393]
Density of residual[393]
Trace of residual[394]
Density of residual[394]
Trace of residual[395]
Density of residual[395]
Trace of residual[396]
Density of residual[396]
Iterations
N = 500 Bandwidth = 0.007509
N = 500 Bandwidth = 0.007521
N = 500 Bandwidth = 0.007508

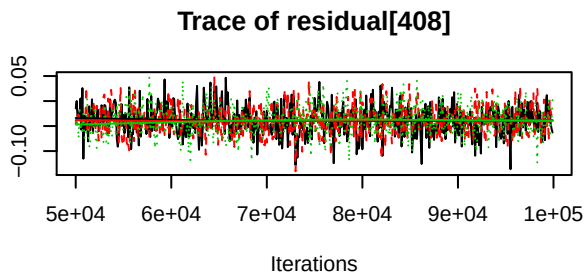

Trace of residual[397]
Iterations
Density of residual[397]
N = 500 Bandwidth = 0.007496
Trace of residual[398]
Iterations
Density of residual[398]
N = 500 Bandwidth = 0.007538
Trace of residual[399]
Iterations
Density of residual[399]
N = 500 Bandwidth = 0.007521
Trace of residual[4]
Iterations
Density of residual[4]
N = 500 Bandwidth = 0.005077

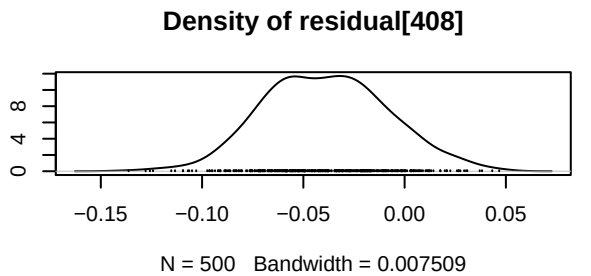

Trace of residual[40]
−0.15
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[40]
0
10
20
−0.20
−0.15
−0.10
−0.05
N = 500 Bandwidth = 0.005197
Trace of residual[400]
0.00
0.15
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[400]
0
4
8
−0.05
0.00
0.05
0.10
0.15
N = 500 Bandwidth = 0.007539
Trace of residual[401]
−0.05
0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[401]
0
4
8
−0.10
−0.05
0.00
0.05
0.10
0.15
N = 500 Bandwidth = 0.007529
Trace of residual[402]
−0.10
0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[402]
0
4
8
−0.15
−0.10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.007509

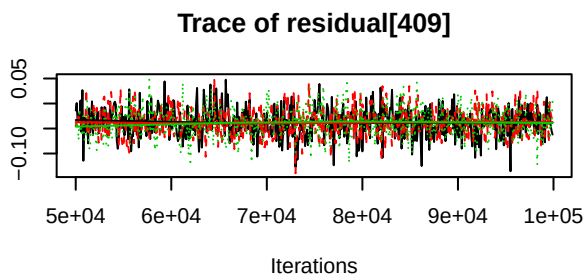

Trace of residual[403]
Iterations
Density of residual[403]
N = 500 Bandwidth = 0.007509
Trace of residual[404]
Iterations
Density of residual[404]
N = 500 Bandwidth = 0.007518
Trace of residual[405]
Iterations
Density of residual[405]
N = 500 Bandwidth = 0.007508
Trace of residual[406]
Iterations
Density of residual[406]
N = 500 Bandwidth = 0.007492

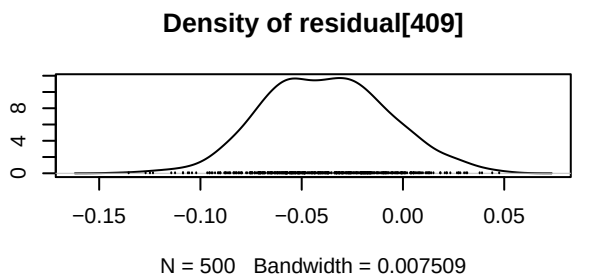

Trace of residual[407]
0.10
−0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations

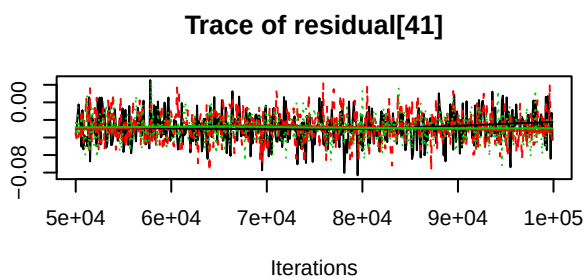

Density of residual[407]
8
4
0
−0.10
−0.05
0.00
0.05
0.10
0.15
N = 500 Bandwidth = 0.007529

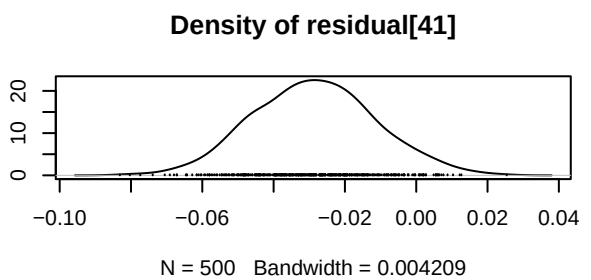

Trace of residual[408]
0.05
−0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations

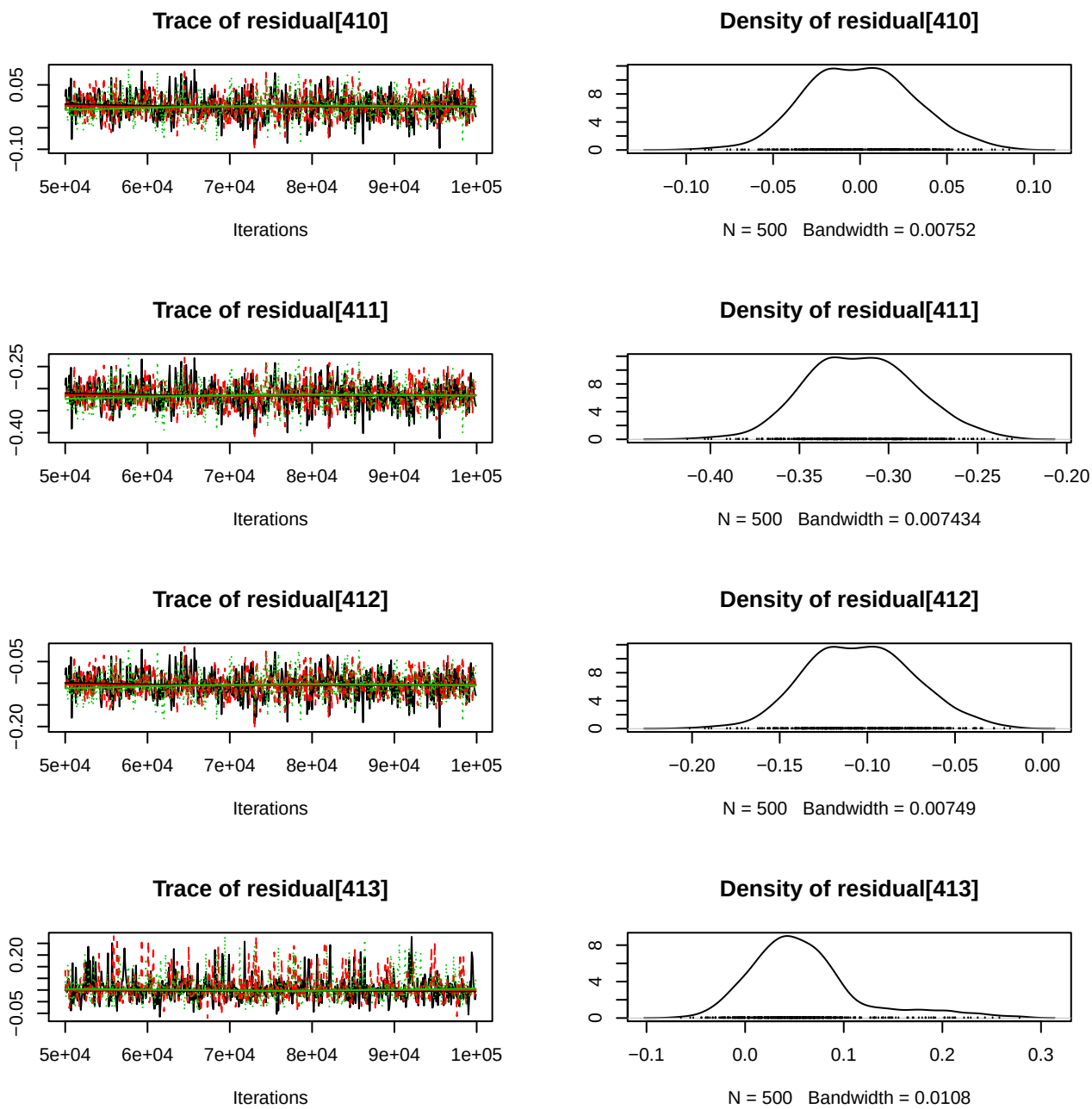

Density of residual[408]
8
4
0
−0.15
−0.10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.007509

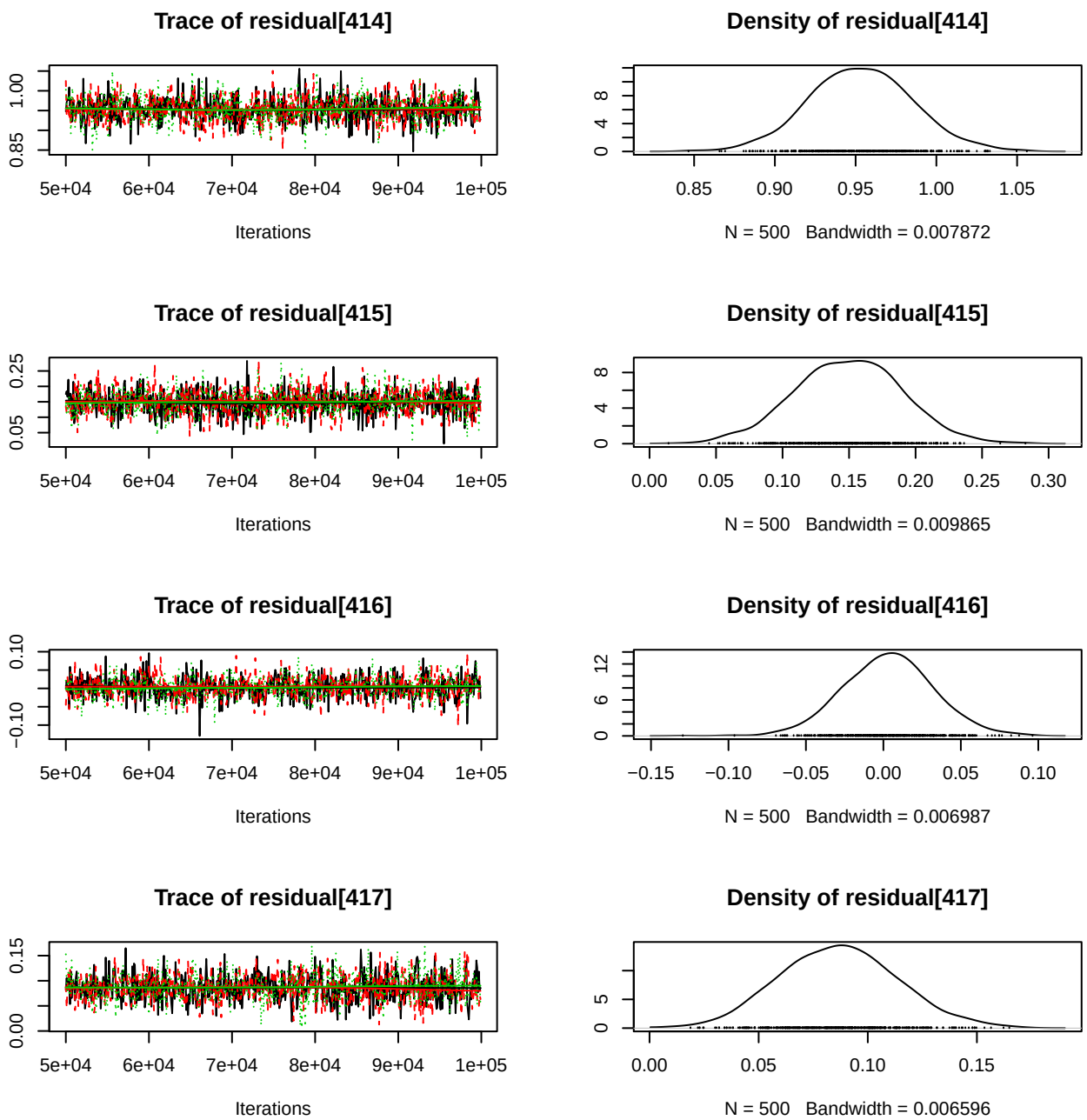

Trace of residual[409]
0.05
−0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations

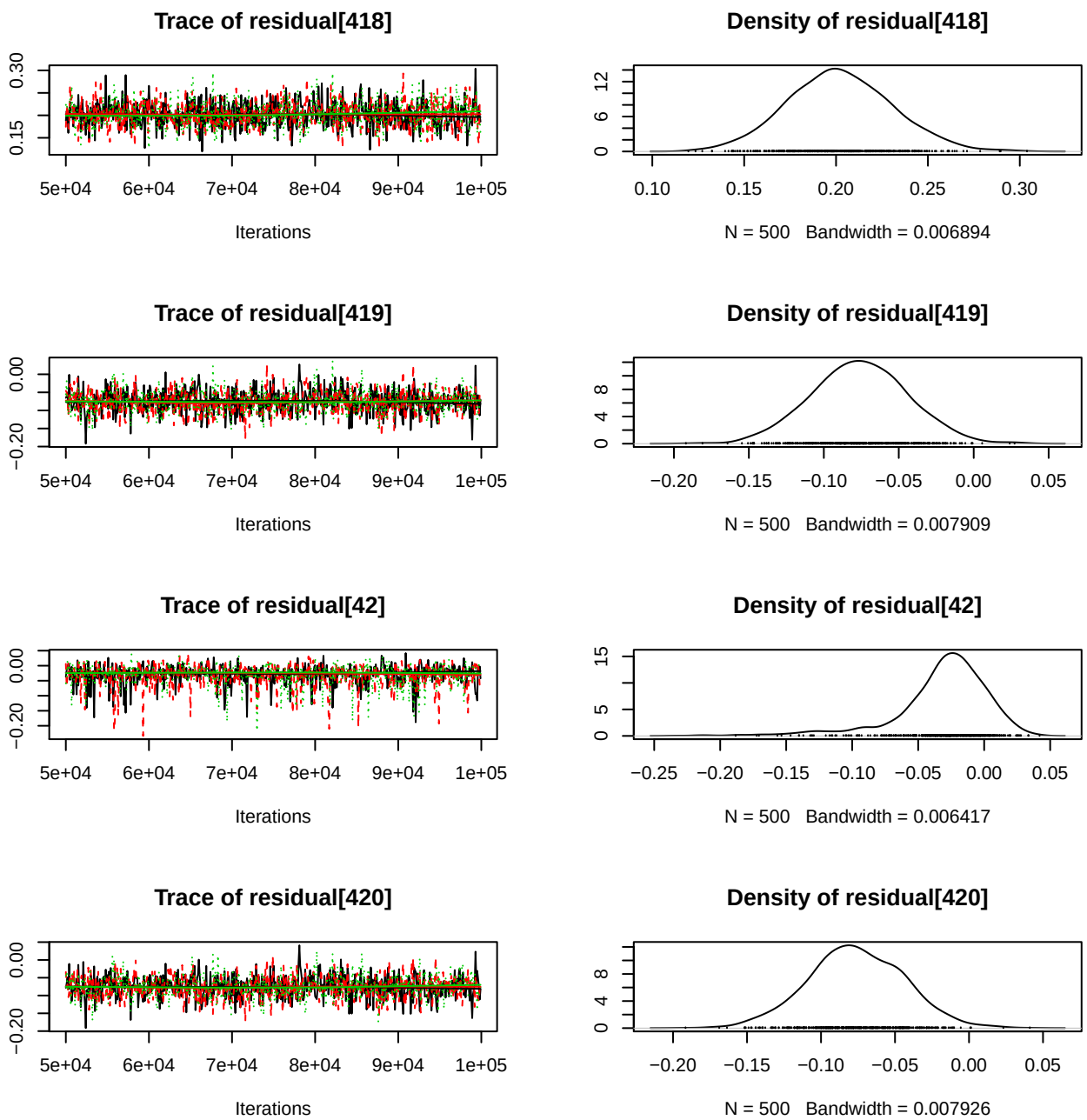

Density of residual[409]
8
4
0
−0.15
−0.10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.007509

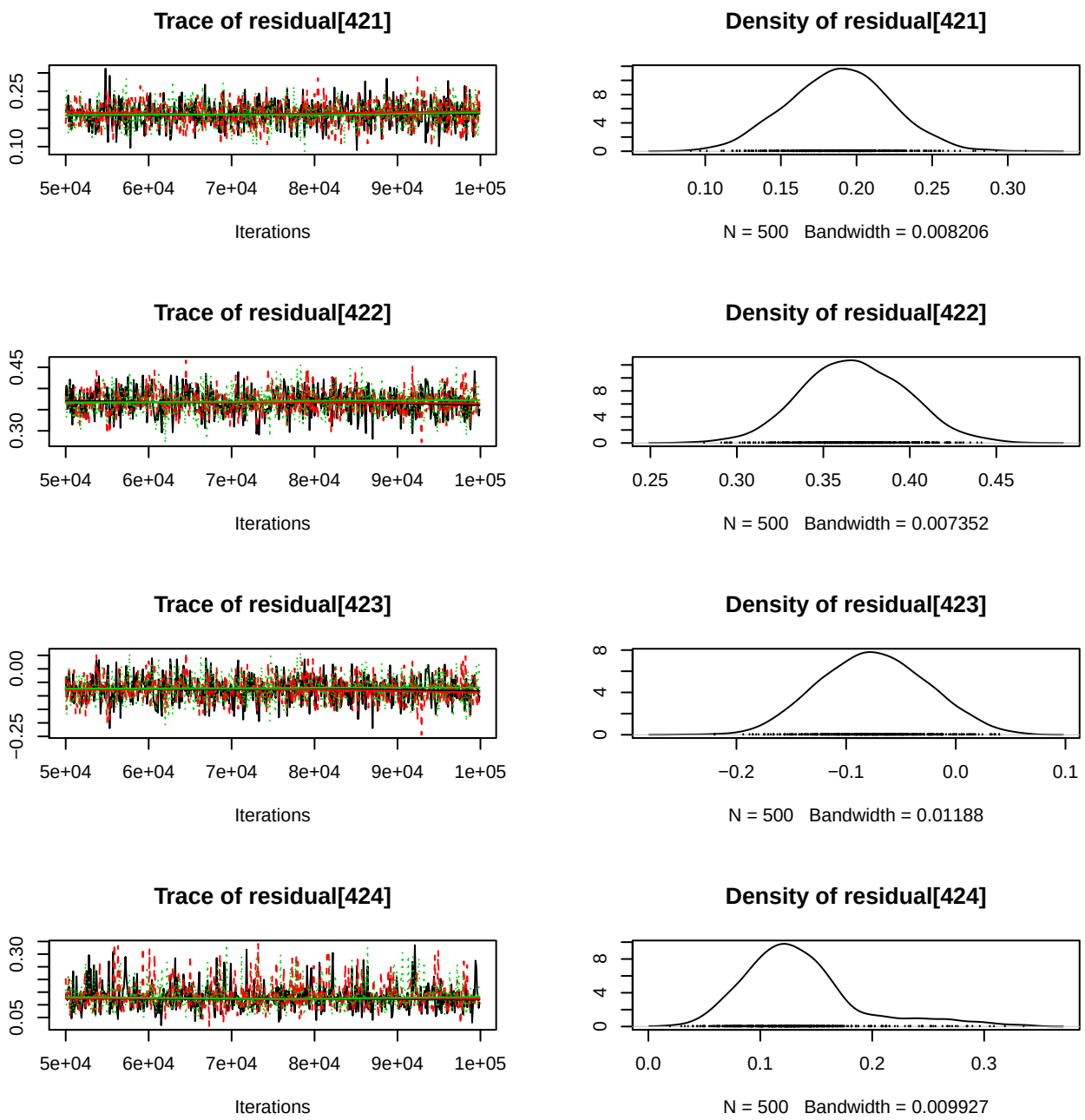

Trace of residual[41]
0.00
−0.08
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations

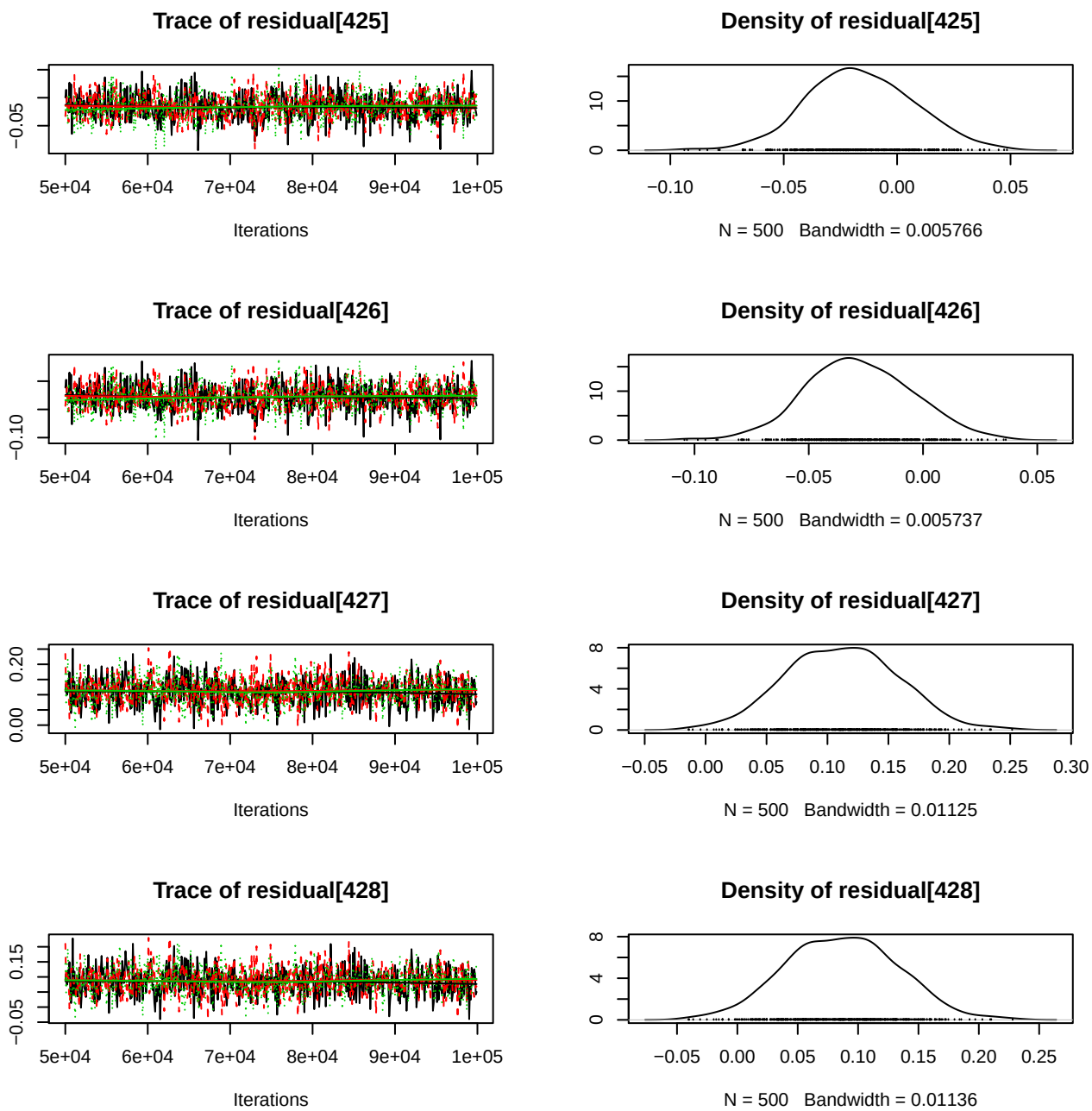

Density of residual[41]
20
10
0
−0.10
−0.06
−0.02
0.00
0.02
0.04
N = 500 Bandwidth = 0.004209

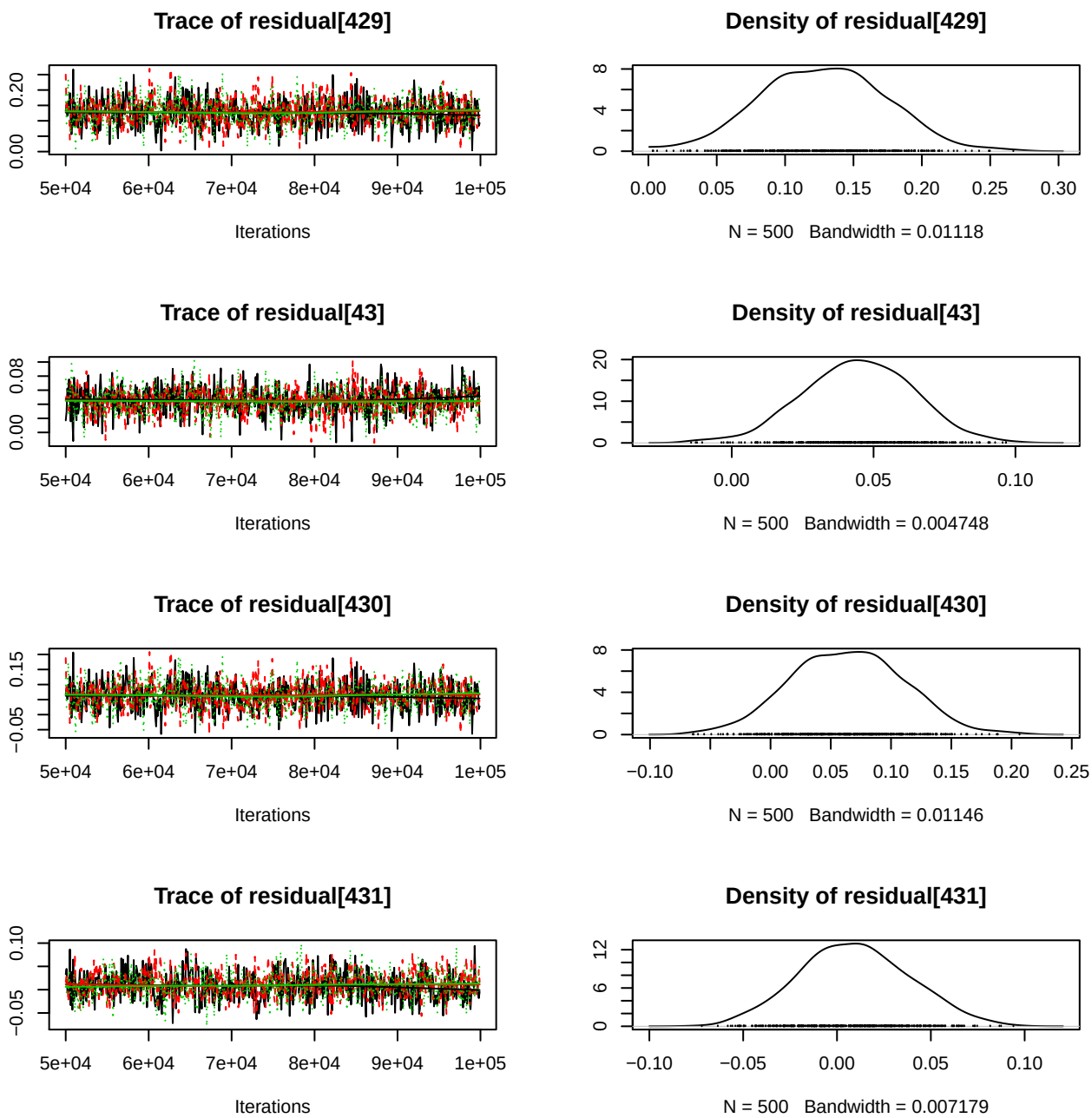

Trace of residual[410]
Iterations
Density of residual[410]
N = 500 Bandwidth = 0.00752
Trace of residual[411]
Iterations
Density of residual[411]
N = 500 Bandwidth = 0.007434
Trace of residual[412]
Iterations
Density of residual[412]
N = 500 Bandwidth = 0.00749
Trace of residual[413]
Iterations
Density of residual[413]
N = 500 Bandwidth = 0.0108

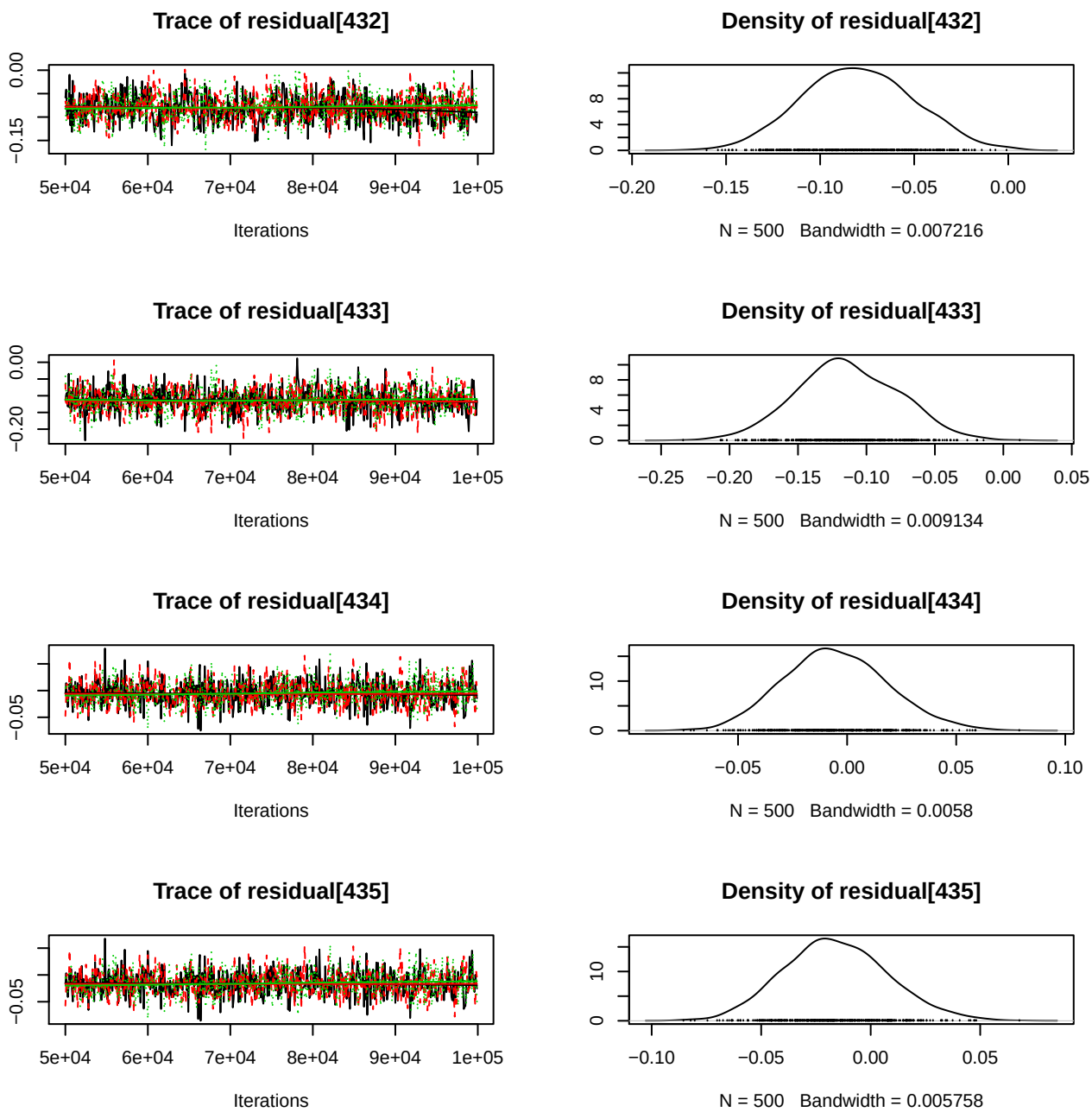

Trace of residual[414]
Iterations
Density of residual[414]
N = 500 Bandwidth = 0.007872
Trace of residual[415]
Iterations
Density of residual[415]
N = 500 Bandwidth = 0.009865
Trace of residual[416]
Iterations
Density of residual[416]
N = 500 Bandwidth = 0.006987
Trace of residual[417]
Iterations
Density of residual[417]
N = 500 Bandwidth = 0.006596

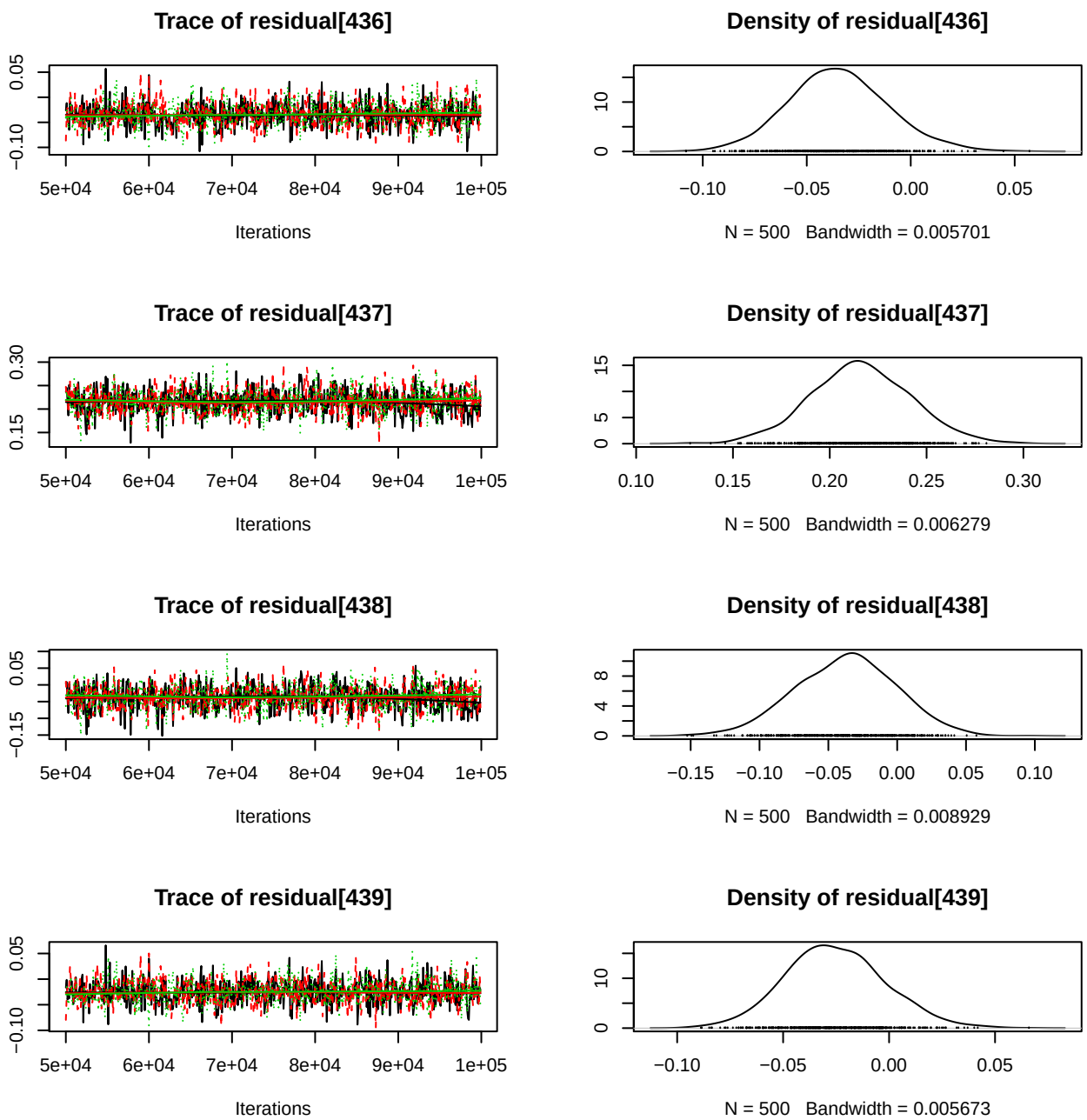

Trace of residual[418]
0.15
0.30
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[418]
0
6
12
0.10
0.15
0.20
0.25
0.30
N = 500 Bandwidth = 0.006894
Trace of residual[419]
−0.20
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[419]
0
4
8
−0.20
−0.15
−0.10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.007909
Trace of residual[42]
−0.20
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[42]
0
5
15
−0.25
−0.20
−0.15
−0.10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.006417
Trace of residual[420]
−0.20
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[420]
0
4
8
−0.20
−0.15
−0.10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.007926

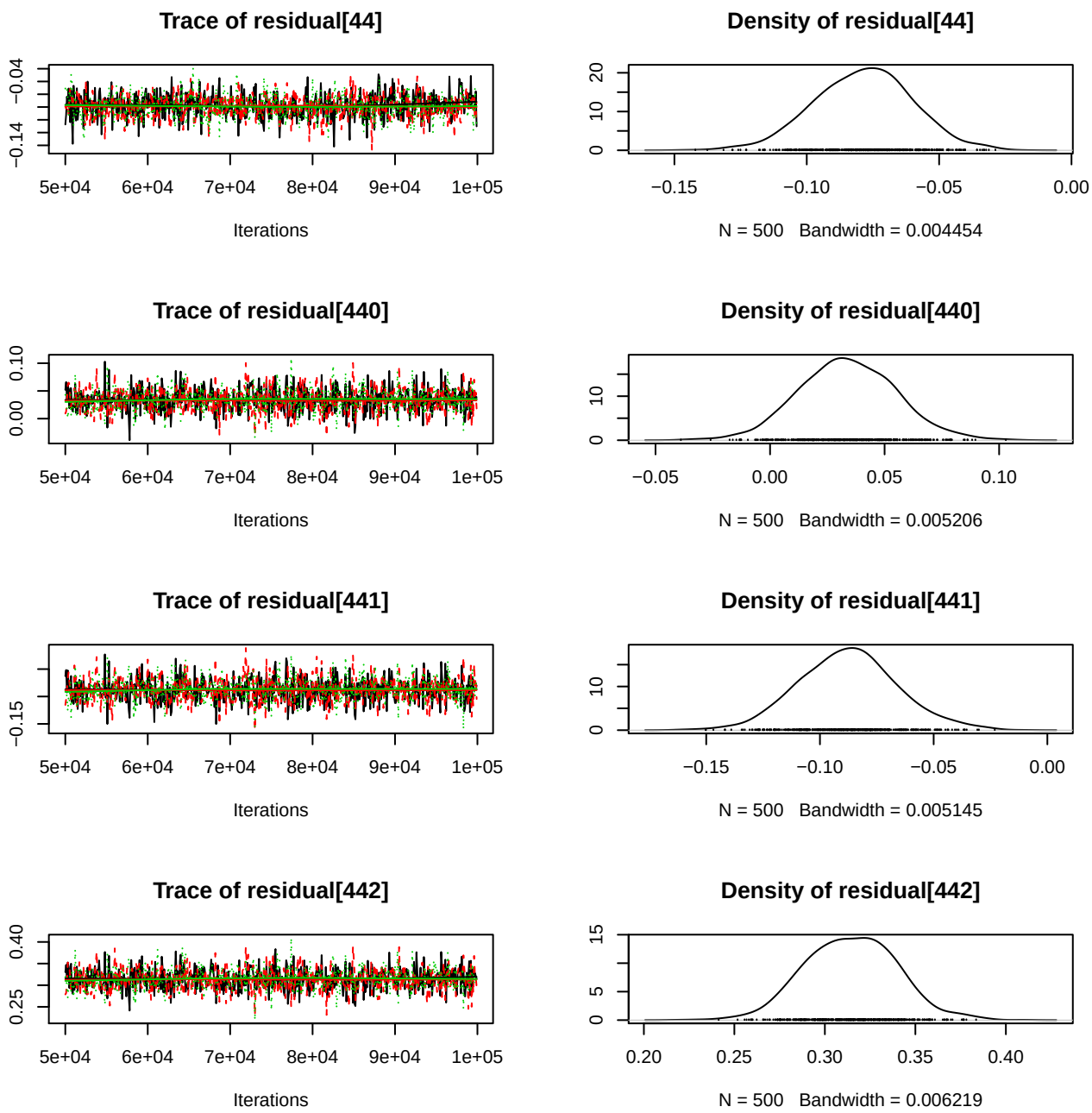

Trace of residual[421]
0.10
0.25
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[421]
0
4
8
0.10
0.15
0.20
0.25
0.30
N = 500 Bandwidth = 0.008206
Trace of residual[422]
0.30
0.45
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[422]
0
4
8
0.25
0.30
0.35
0.40
0.45
N = 500 Bandwidth = 0.007352
Trace of residual[423]
−0.25
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[423]
0
4
8
−0.2
−0.1
0.0
0.1
N = 500 Bandwidth = 0.01188
Trace of residual[424]
0.05
0.30
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[424]
0
4
8
0.0
0.1
0.2
0.3
N = 500 Bandwidth = 0.009927

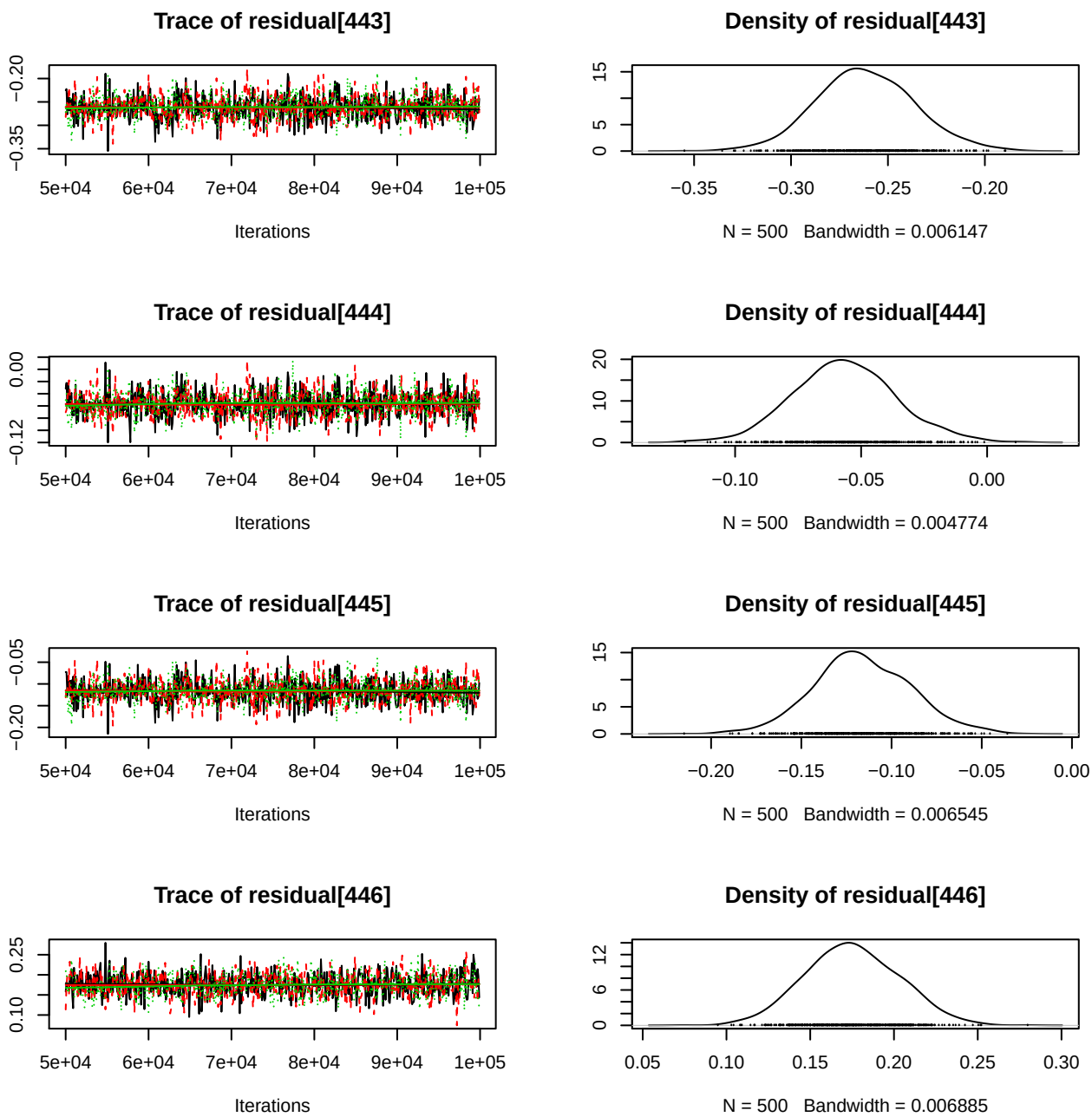

Trace of residual[425]
−0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[425]
0
10
−0.10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.005766
Trace of residual[426]
−0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[426]
0
10
−0.10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.005737
Trace of residual[427]
0.00
0.20
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[427]
0
4
8
−0.05
0.00
0.05
0.10
0.15
0.20
0.25
0.30
N = 500 Bandwidth = 0.01125
Trace of residual[428]
−0.05
0.15
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[428]
0
4
8
−0.05
0.00
0.05
0.10
0.15
0.20
0.25
N = 500 Bandwidth = 0.01136

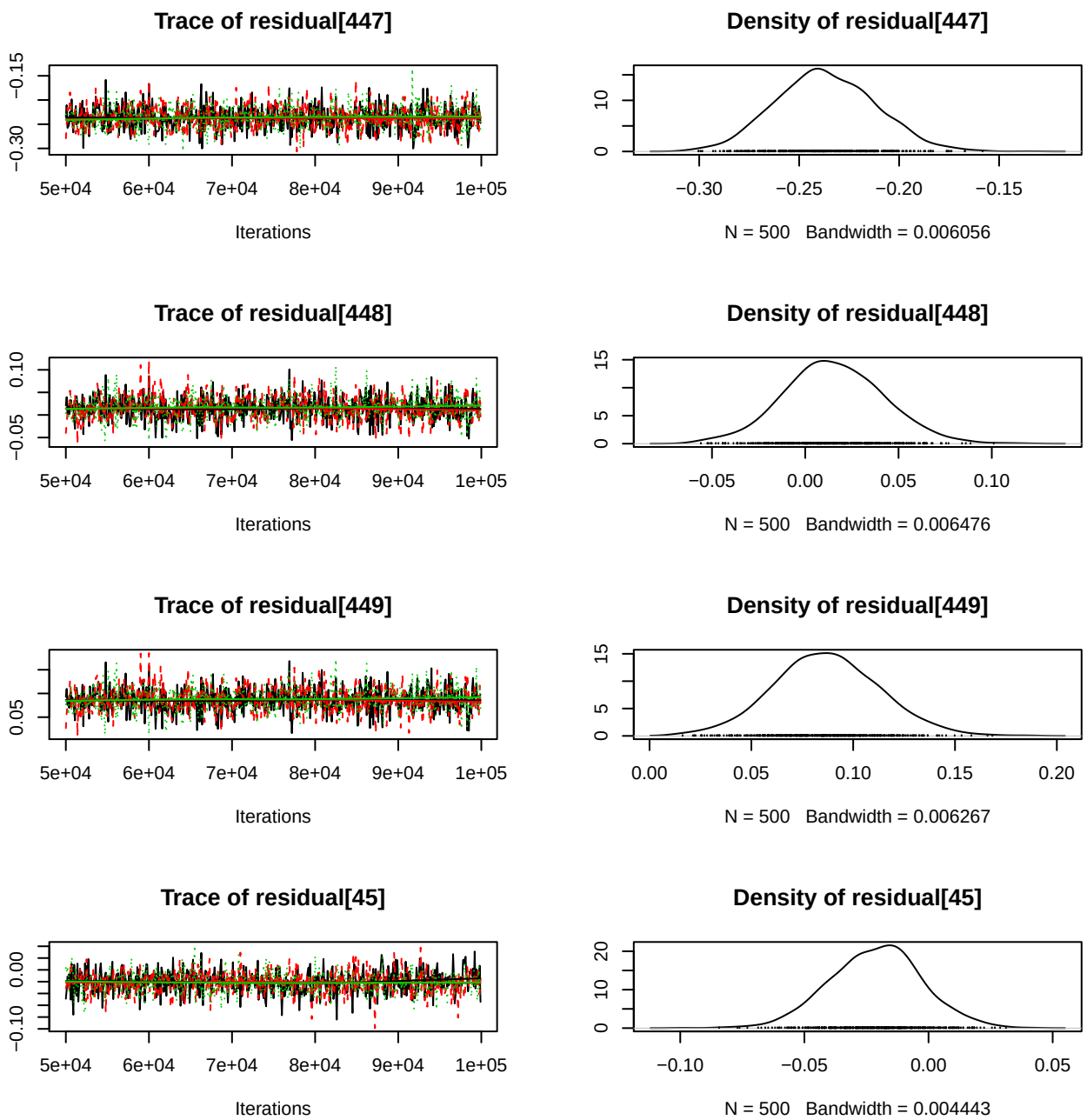

Trace of residual[429]
0.00
0.20
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[429]
0
4
8
0.00
0.05
0.10
0.15
0.20
0.25
0.30
N = 500 Bandwidth = 0.01118
Trace of residual[43]
0.00
0.08
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[43]
0
10
20
0.00
0.05
0.10
N = 500 Bandwidth = 0.004748
Trace of residual[430]
−0.05
0.15
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[430]
0
4
8
−0.10
0.00
0.05
0.10
0.15
0.20
0.25
N = 500 Bandwidth = 0.01146
Trace of residual[431]
−0.05
0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[431]
0
6
12
−0.10
−0.05
0.00
0.05
0.10
N = 500 Bandwidth = 0.007179

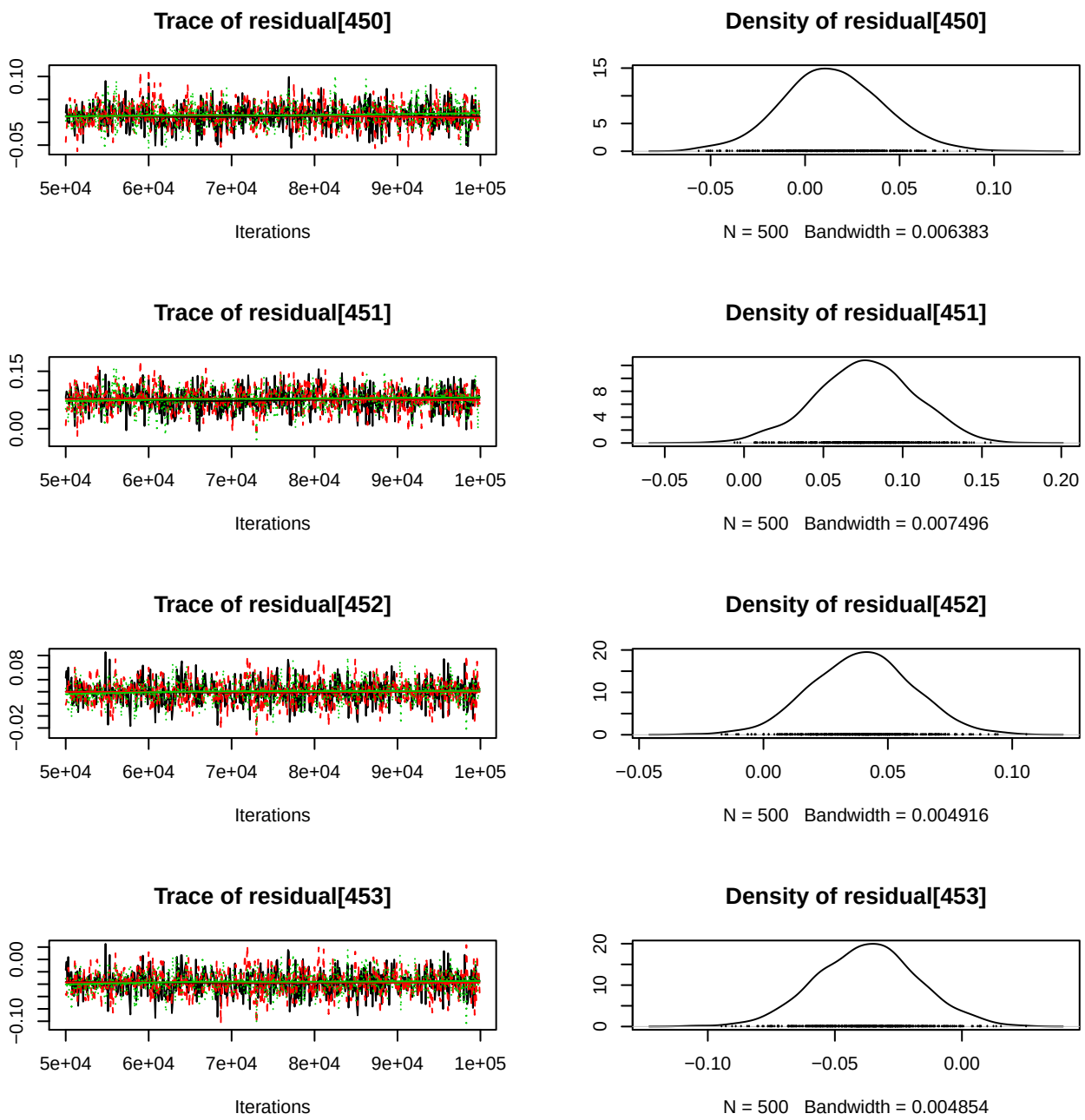

Trace of residual[432]
Iterations
Density of residual[432]
N = 500 Bandwidth = 0.007216
Trace of residual[433]
Iterations
Density of residual[433]
N = 500 Bandwidth = 0.009134
Trace of residual[434]
Iterations
Density of residual[434]
N = 500 Bandwidth = 0.0058
Trace of residual[435]
Iterations
Density of residual[435]
N = 500 Bandwidth = 0.005758

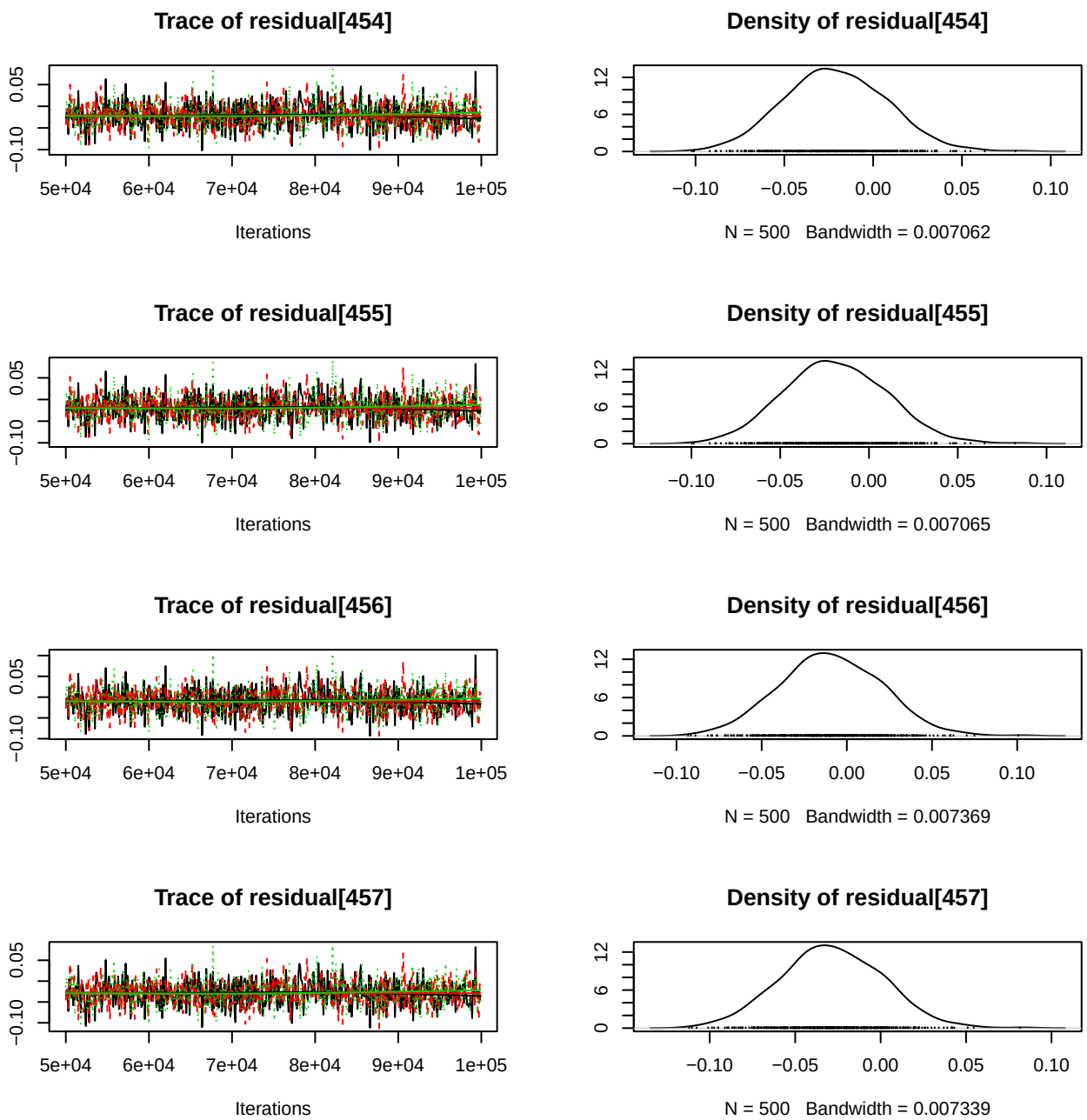

Trace of residual[436]
Iterations
Density of residual[436]
N = 500 Bandwidth = 0.005701
Trace of residual[437]
Iterations
Density of residual[437]
N = 500 Bandwidth = 0.006279
Trace of residual[438]
Iterations
Density of residual[438]
N = 500 Bandwidth = 0.008929
Trace of residual[439]
Iterations
Density of residual[439]
N = 500 Bandwidth = 0.005673

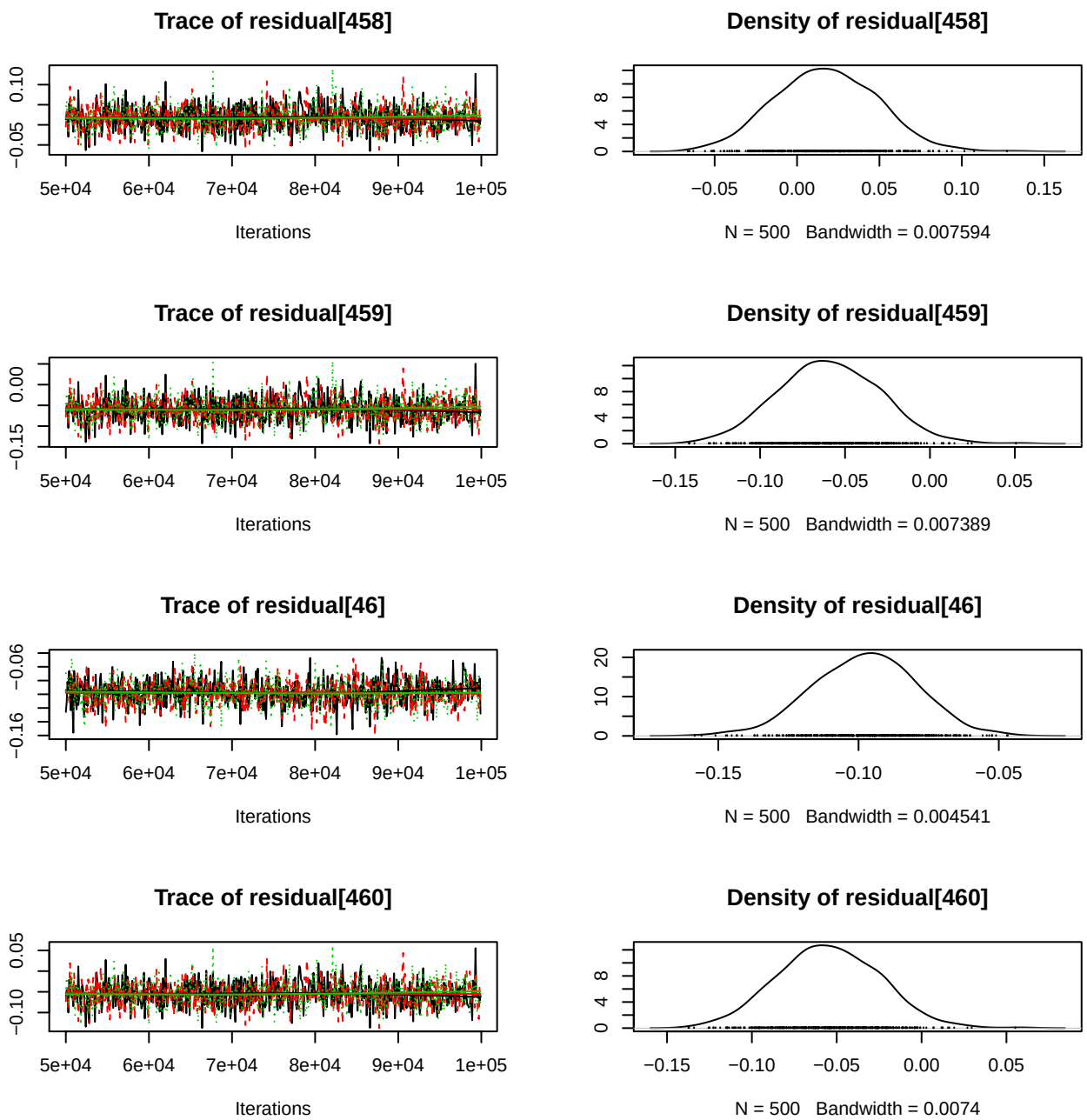

Trace of residual[44]
−0.14
−0.04
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[44]
0
10
20
−0.15
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.004454
Trace of residual[440]
0.00
0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[440]
0
10
−0.05
0.00
0.05
0.10
N = 500 Bandwidth = 0.005206
Trace of residual[441]
−0.15
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[441]
0
10
−0.15
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.005145
Trace of residual[442]
0.25
0.40
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[442]
0
5
15
0.20
0.25
0.30
0.35
0.40
N = 500 Bandwidth = 0.006219

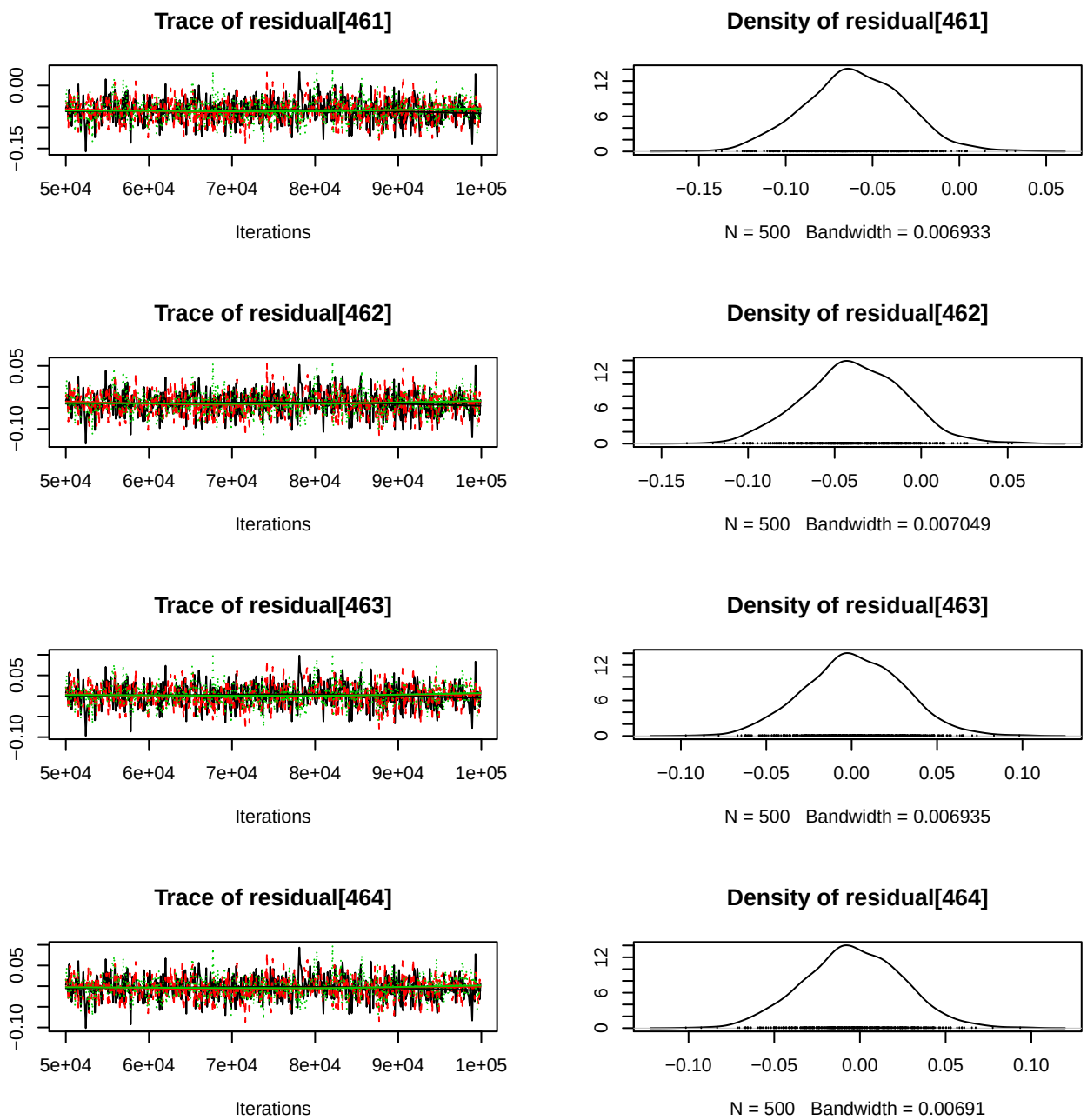

Trace of residual[443]
−0.35
−0.20
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[443]
0
5
15
−0.35
−0.30
−0.25
−0.20
N = 500 Bandwidth = 0.006147
Trace of residual[444]
−0.12
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[444]
0
10
20
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.004774
Trace of residual[445]
−0.20
−0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[445]
0
5
15
−0.20
−0.15
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.006545
Trace of residual[446]
0.10
0.25
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[446]
0
6
12
0.05
0.10
0.15
0.20
0.25
0.30
N = 500 Bandwidth = 0.006885

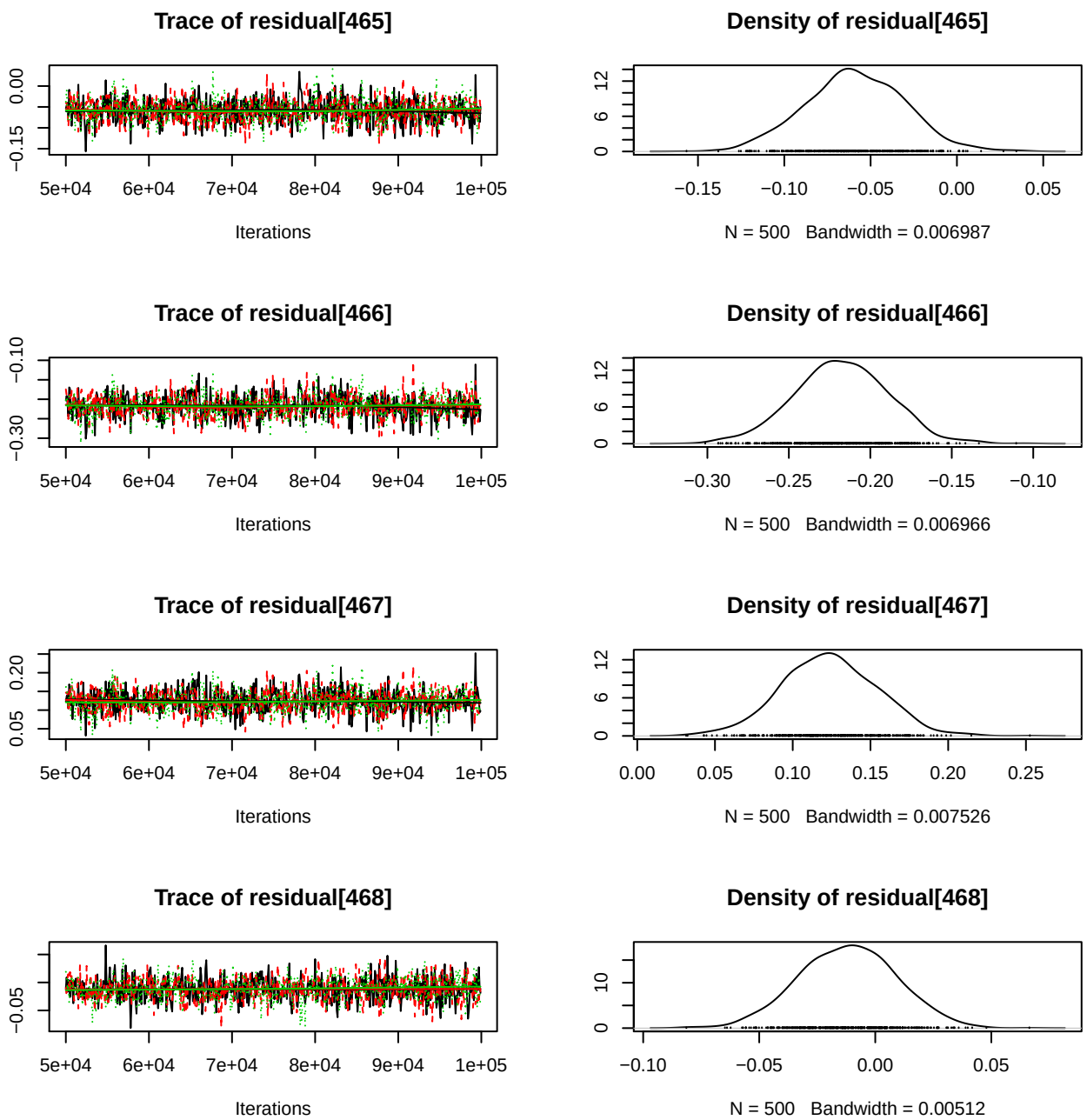

Trace of residual[447]
−0.30
−0.15
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[447]
0
10
−0.30
−0.25
−0.20
−0.15
N = 500 Bandwidth = 0.006056
Trace of residual[448]
−0.05
0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[448]
0
5
15
−0.05
0.00
0.05
0.10
N = 500 Bandwidth = 0.006476
Trace of residual[449]
0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[449]
0
5
15
0.00
0.05
0.10
0.15
0.20
N = 500 Bandwidth = 0.006267
Trace of residual[45]
−0.10
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[45]
0
10
20
−0.10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.004443

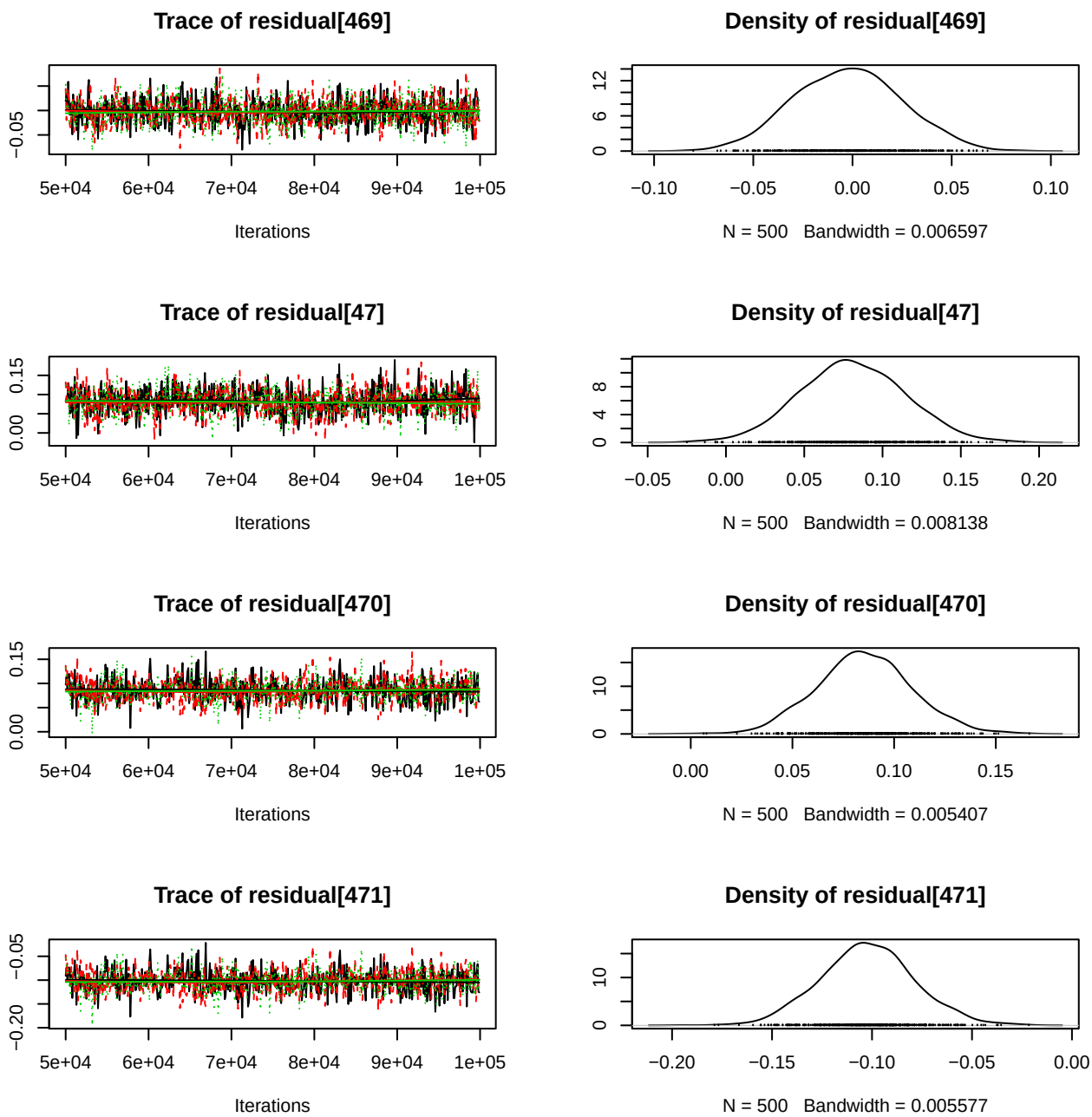

Trace of residual[450]
Iterations
Density of residual[450]
N = 500 Bandwidth = 0.006383
Trace of residual[451]
Iterations
Density of residual[451]
N = 500 Bandwidth = 0.007496
Trace of residual[452]
Iterations
Density of residual[452]
N = 500 Bandwidth = 0.004916
Trace of residual[453]
Iterations
Density of residual[453]
N = 500 Bandwidth = 0.004854

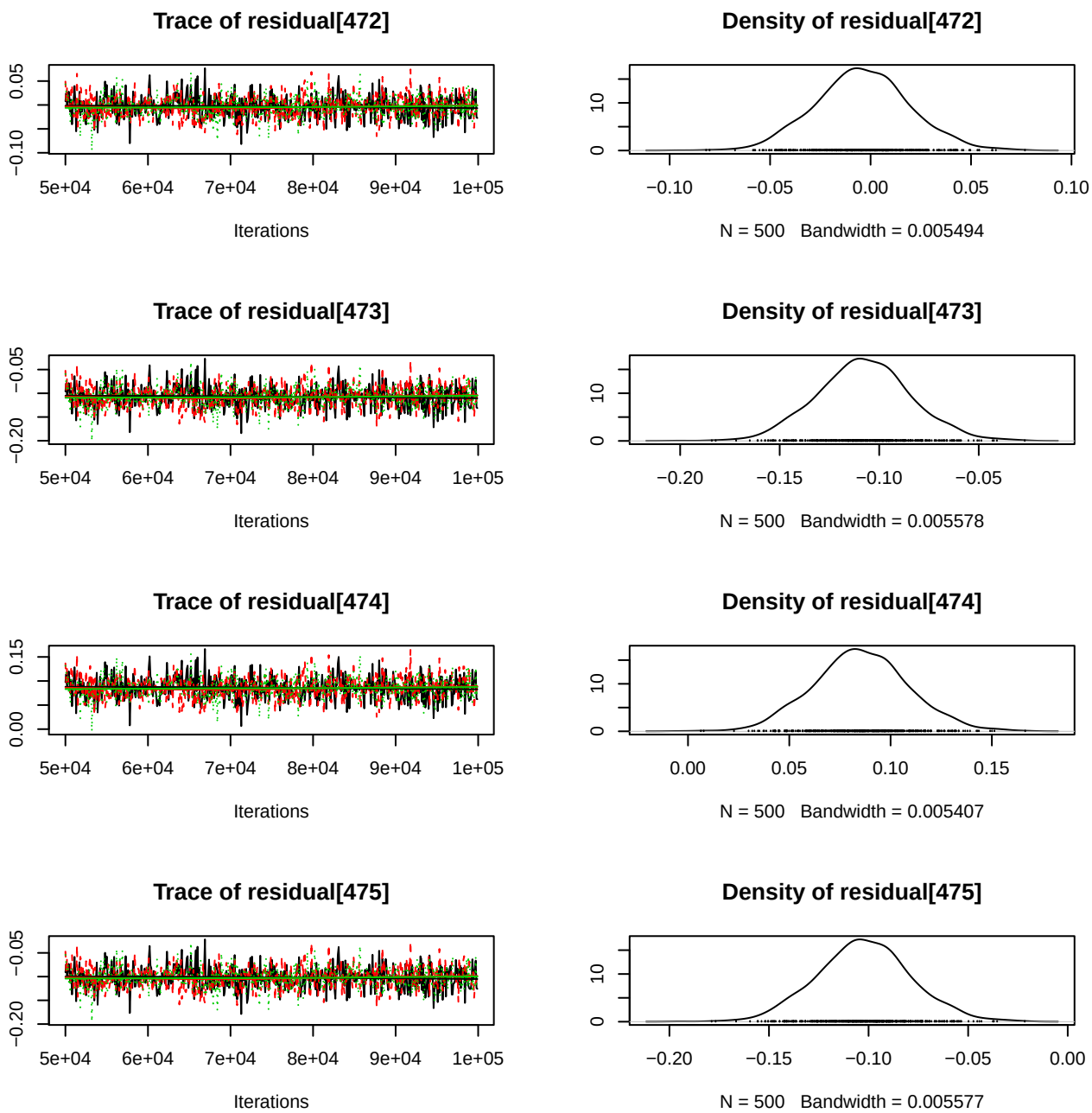

Trace of residual[454]
Iterations
Density of residual[454]
N = 500 Bandwidth = 0.007062
Trace of residual[455]
Iterations
Density of residual[455]
N = 500 Bandwidth = 0.007065
Trace of residual[456]
Iterations
Density of residual[456]
N = 500 Bandwidth = 0.007369
Trace of residual[457]
Iterations
Density of residual[457]
N = 500 Bandwidth = 0.007339

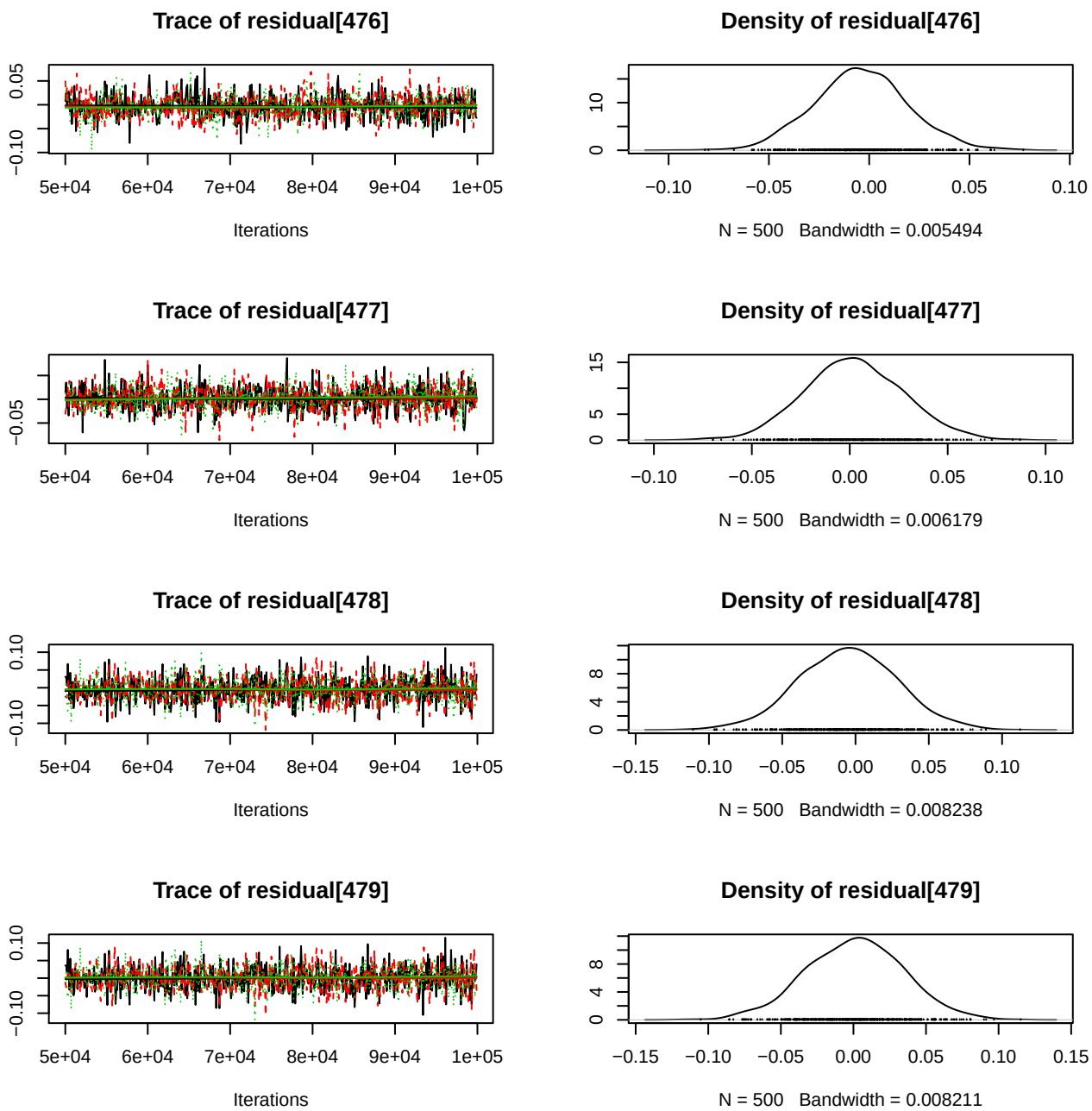

Trace of residual[458]
Iterations
Density of residual[458]
N = 500 Bandwidth = 0.007594
Trace of residual[459]
Iterations
Density of residual[459]
N = 500 Bandwidth = 0.007389
Trace of residual[46]
Iterations
Density of residual[46]
N = 500 Bandwidth = 0.004541
Trace of residual[460]
Iterations
Density of residual[460]
N = 500 Bandwidth = 0.0074

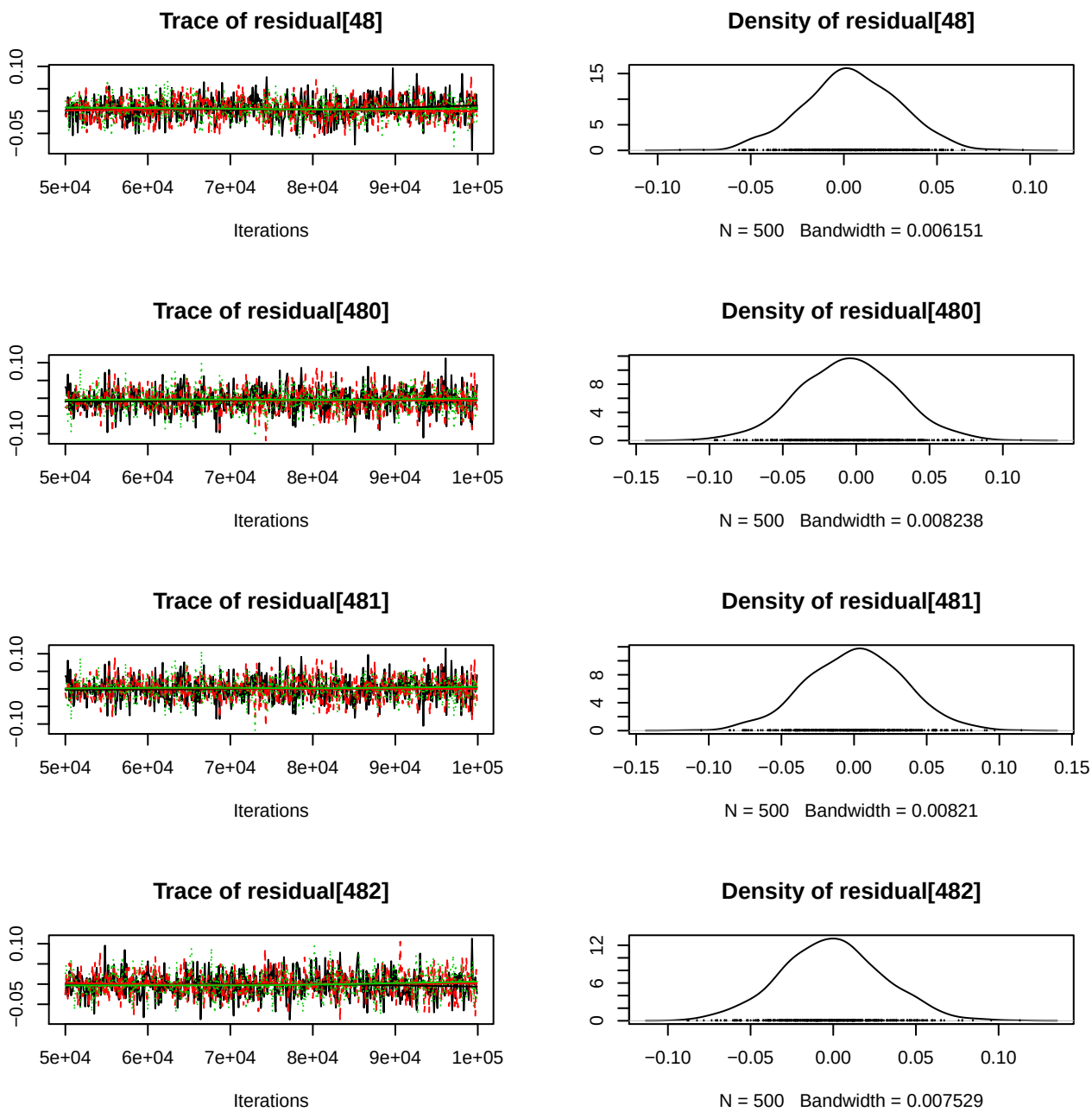

Trace of residual[461]
Iterations
Density of residual[461]
N = 500 Bandwidth = 0.006933
Trace of residual[462]
Iterations
Density of residual[462]
N = 500 Bandwidth = 0.007049
Trace of residual[463]
Iterations
Density of residual[463]
N = 500 Bandwidth = 0.006935
Trace of residual[464]
Iterations
Density of residual[464]
N = 500 Bandwidth = 0.00691

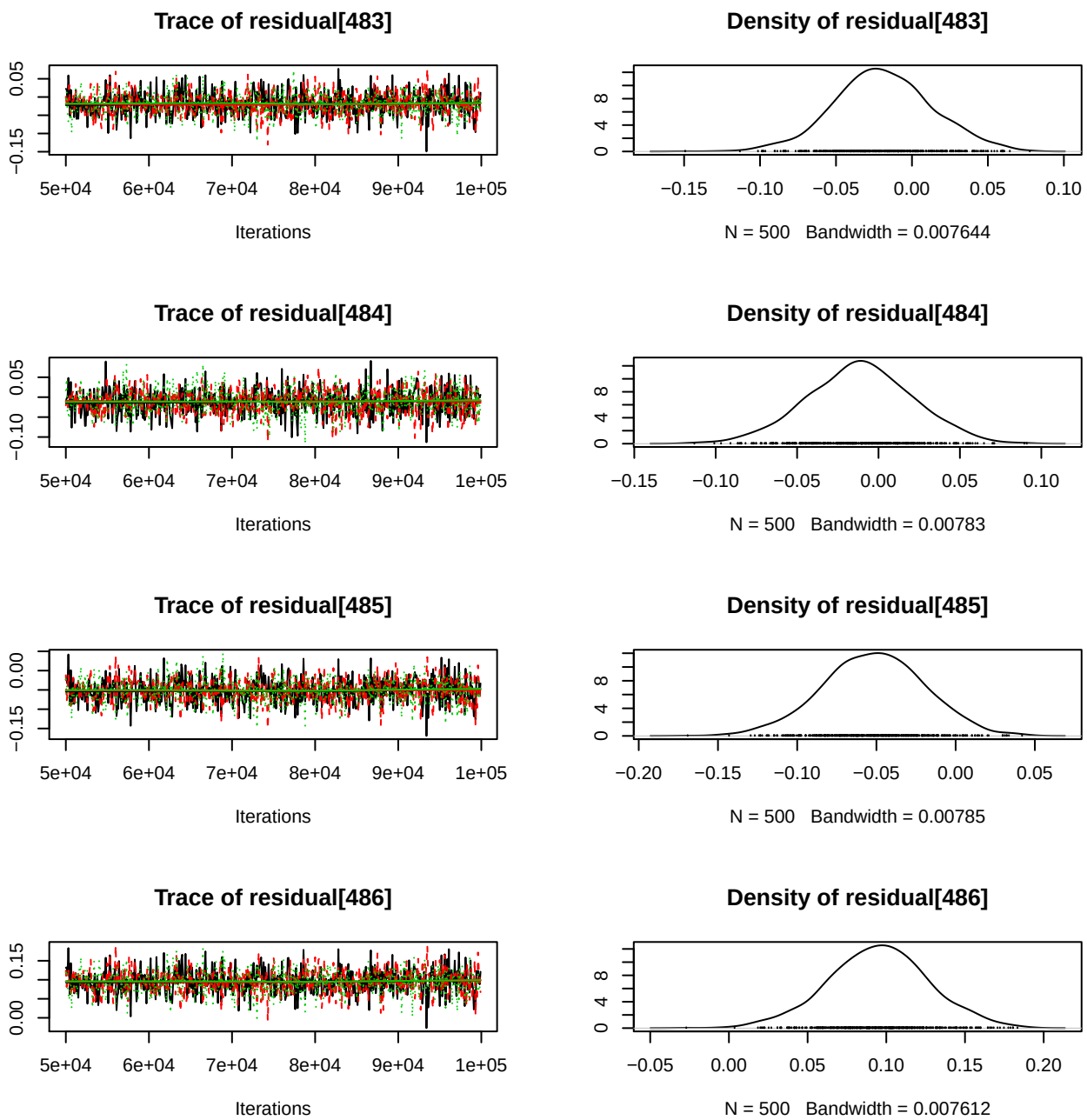

Trace of residual[465]
Iterations
Density of residual[465]
N = 500 Bandwidth = 0.006987
Trace of residual[466]
Iterations
Density of residual[466]
N = 500 Bandwidth = 0.006966
Trace of residual[467]
Iterations
Density of residual[467]
N = 500 Bandwidth = 0.007526
Trace of residual[468]
Iterations
Density of residual[468]
N = 500 Bandwidth = 0.00512

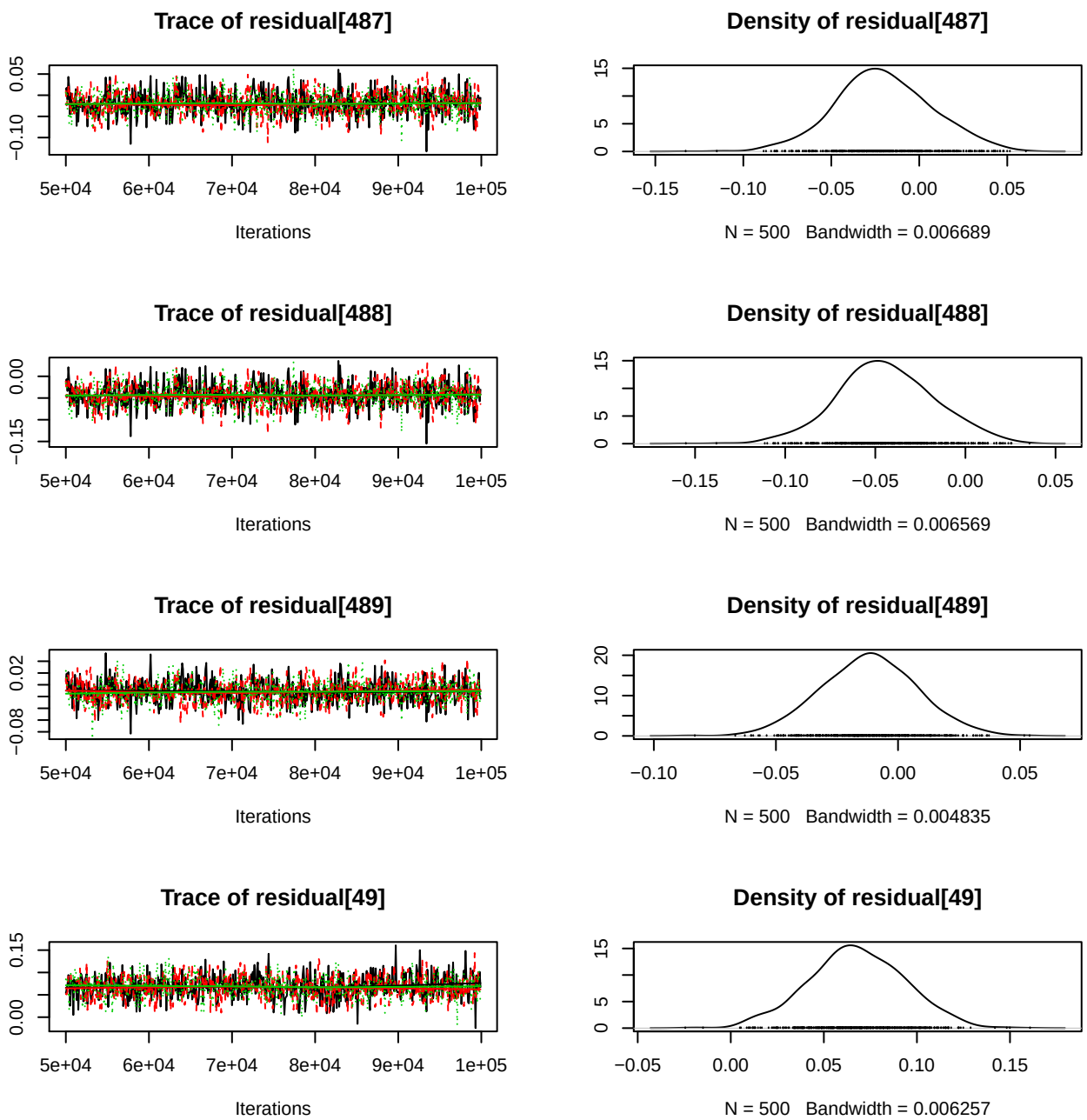

Trace of residual[469]
−0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[469]
0
6
12
−0.10
−0.05
0.00
0.05
0.10
N = 500 Bandwidth = 0.006597
Trace of residual[47]
0.00
0.15
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[47]
0
4
8
−0.05
0.00
0.05
0.10
0.15
0.20
N = 500 Bandwidth = 0.008138
Trace of residual[470]
0.00
0.15
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[470]
0
10
0.00
0.05
0.10
0.15
N = 500 Bandwidth = 0.005407
Trace of residual[471]
−0.20
−0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[471]
0
10
−0.20
−0.15
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.005577

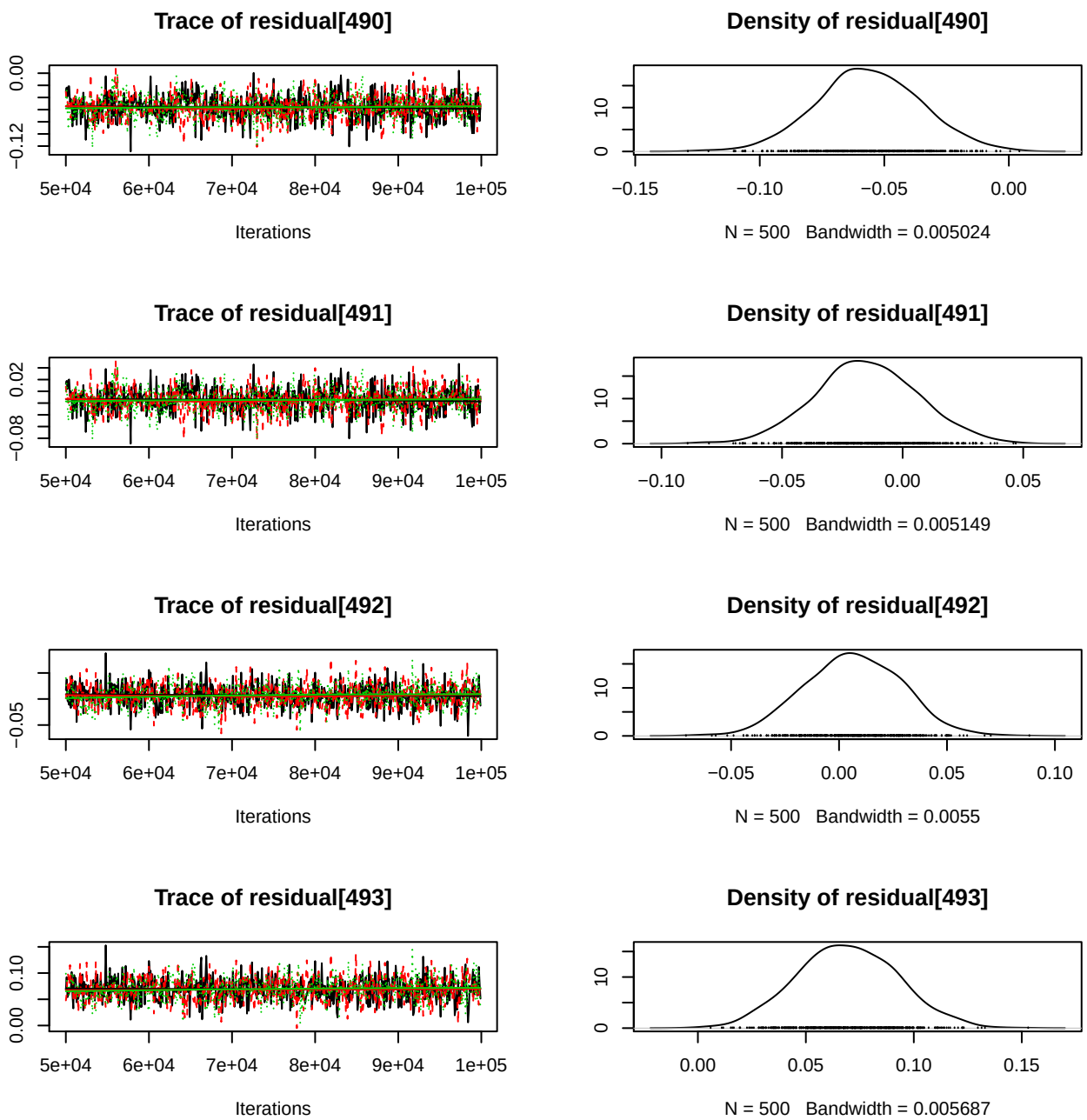

Trace of residual[472]
Iterations
Density of residual[472]
N = 500 Bandwidth = 0.005494
Trace of residual[473]
Iterations
Density of residual[473]
N = 500 Bandwidth = 0.005578
Trace of residual[474]
Iterations
Density of residual[474]
N = 500 Bandwidth = 0.005407
Trace of residual[475]
Iterations
Density of residual[475]
N = 500 Bandwidth = 0.005577

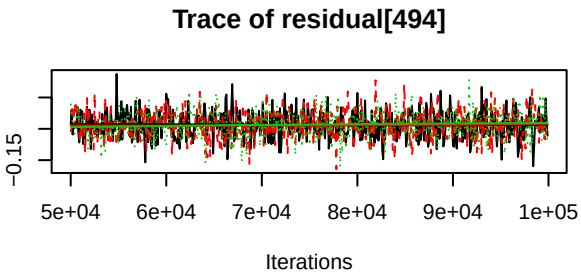

Trace of residual[476]
Iterations
Density of residual[476]
N = 500 Bandwidth = 0.005494
Trace of residual[477]
Iterations
Density of residual[477]
N = 500 Bandwidth = 0.006179
Trace of residual[478]
Iterations
Density of residual[478]
N = 500 Bandwidth = 0.008238
Trace of residual[479]
Iterations
Density of residual[479]
N = 500 Bandwidth = 0.008211

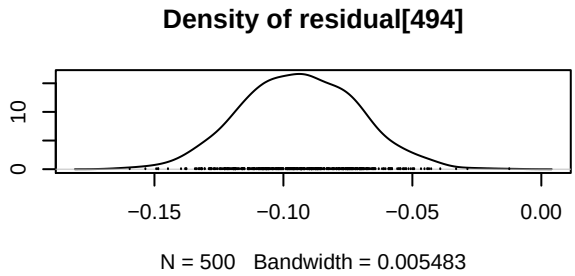

Trace of residual[48]
Iterations
Density of residual[48]
N = 500 Bandwidth = 0.006151
Trace of residual[480]
Iterations
Density of residual[480]
N = 500 Bandwidth = 0.008238
Trace of residual[481]
Iterations
Density of residual[481]
N = 500 Bandwidth = 0.00821
Trace of residual[482]
Iterations
Density of residual[482]
N = 500 Bandwidth = 0.007529

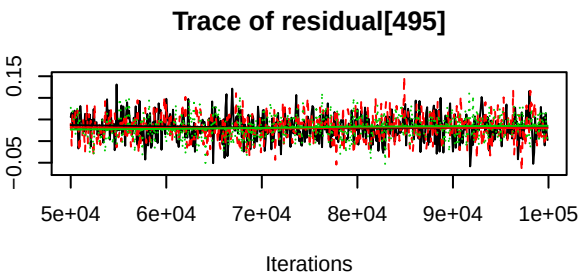

Trace of residual[483]
Iterations
Density of residual[483]
N = 500 Bandwidth = 0.007644
Trace of residual[484]
Iterations
Density of residual[484]
N = 500 Bandwidth = 0.00783
Trace of residual[485]
Iterations
Density of residual[485]
N = 500 Bandwidth = 0.00785
Trace of residual[486]
Iterations
Density of residual[486]
N = 500 Bandwidth = 0.007612

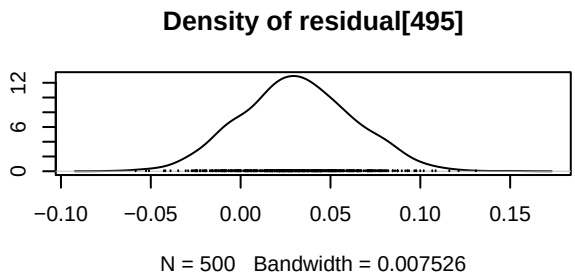

Trace of residual[487]
Iterations
Density of residual[487]
N = 500 Bandwidth = 0.006689
Trace of residual[488]
Iterations
Density of residual[488]
N = 500 Bandwidth = 0.006569
Trace of residual[489]
Iterations
Density of residual[489]
N = 500 Bandwidth = 0.004835
Trace of residual[49]
Iterations
Density of residual[49]
N = 500 Bandwidth = 0.006257

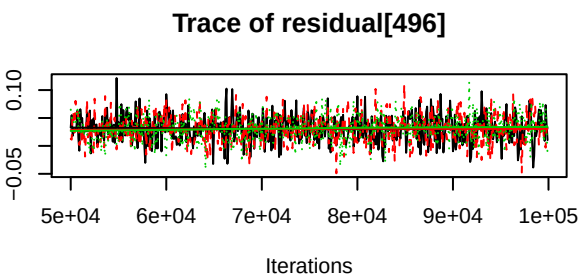

Trace of residual[490]
0.00
−0.12
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[490]
10
0
−0.15
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.005024
Trace of residual[491]
0.02
−0.08
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[491]
10
0
−0.10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.005149
Trace of residual[492]
−0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[492]
10
0
−0.05
0.00
0.05
0.10
N = 500 Bandwidth = 0.0055
Trace of residual[493]
0.10
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[493]
10
0
0.00
0.05
0.10
0.15
N = 500 Bandwidth = 0.005687

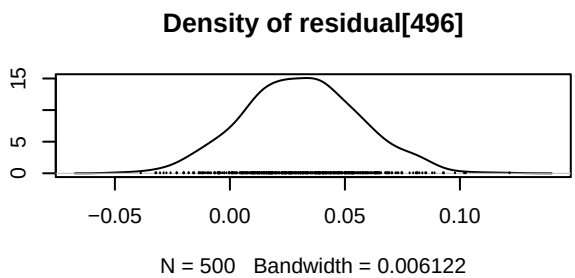

Trace of residual[494]
−0.15
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations

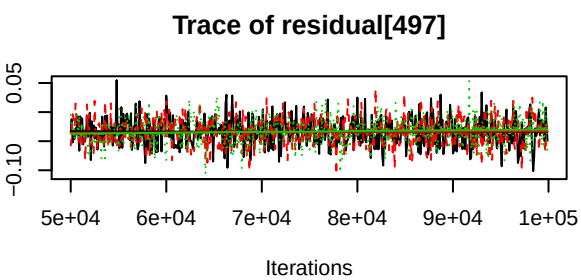

Density of residual[494]
0
10
−0.15
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.005483

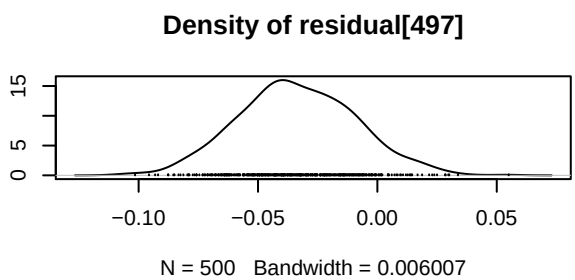

Trace of residual[495]
−0.05
0.15
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations

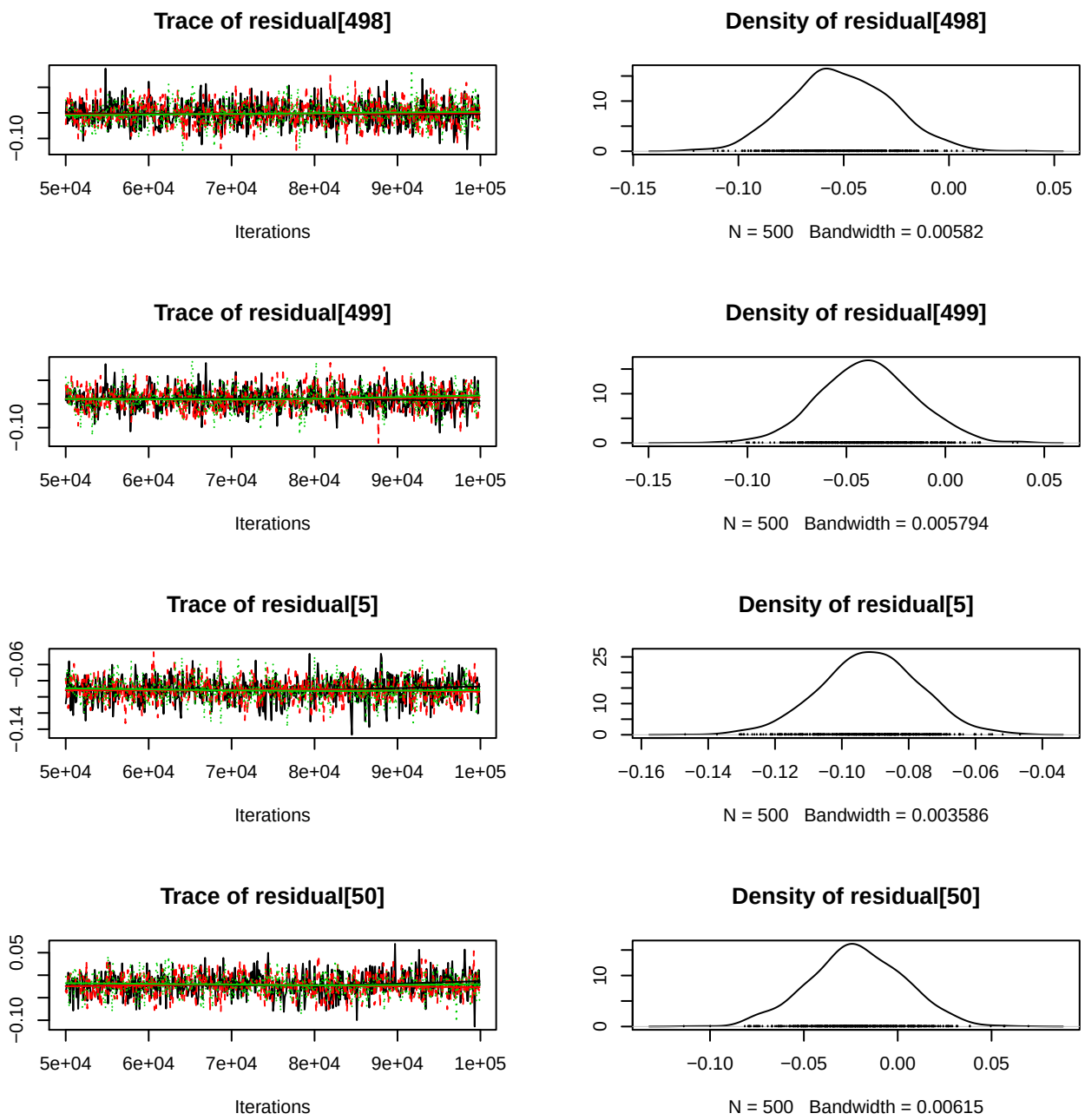

Density of residual[495]
0
6
12
−0.10
−0.05
0.00
0.05
0.10
0.15
N = 500 Bandwidth = 0.007526

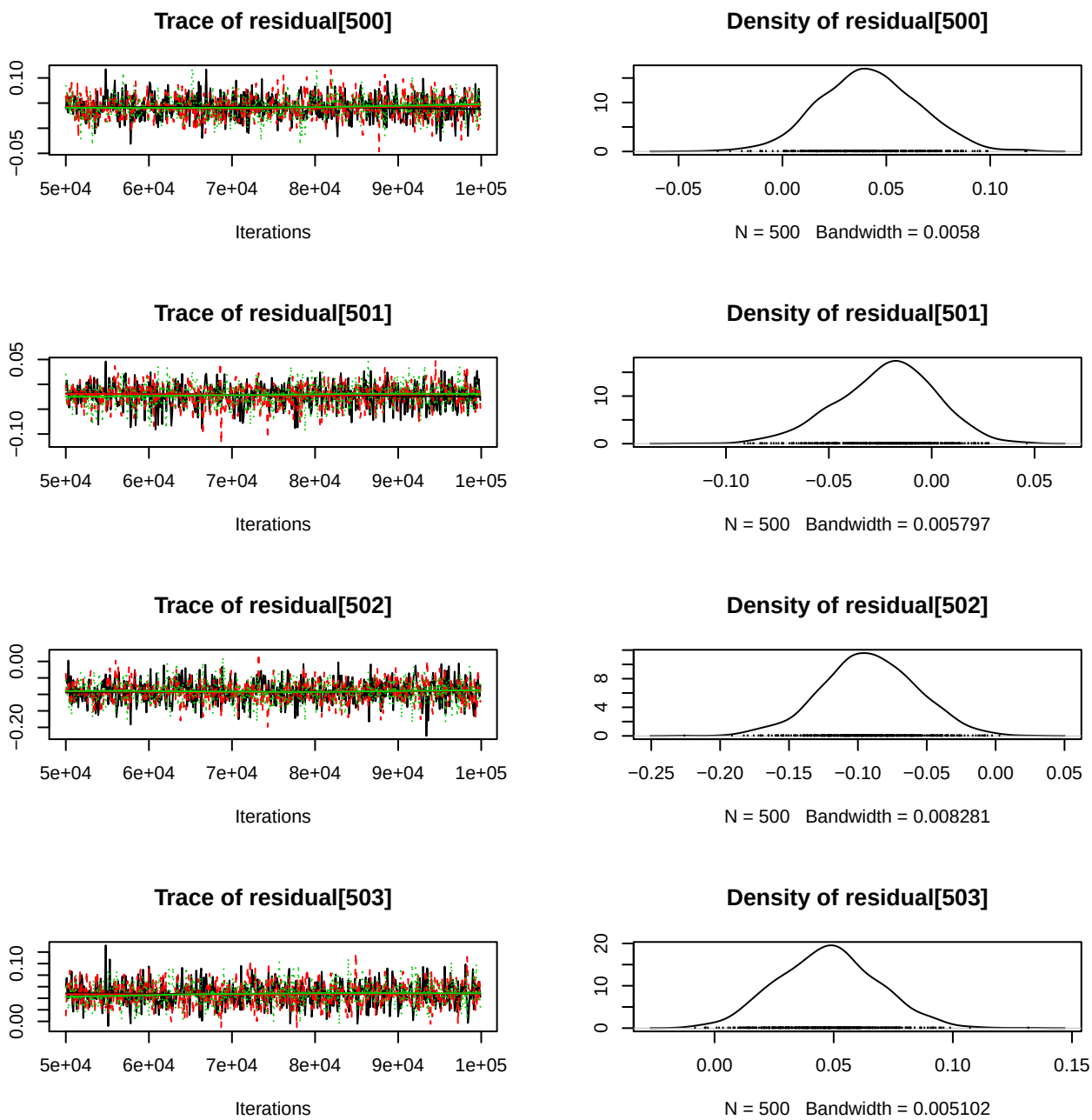

Trace of residual[496]
−0.05
0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations

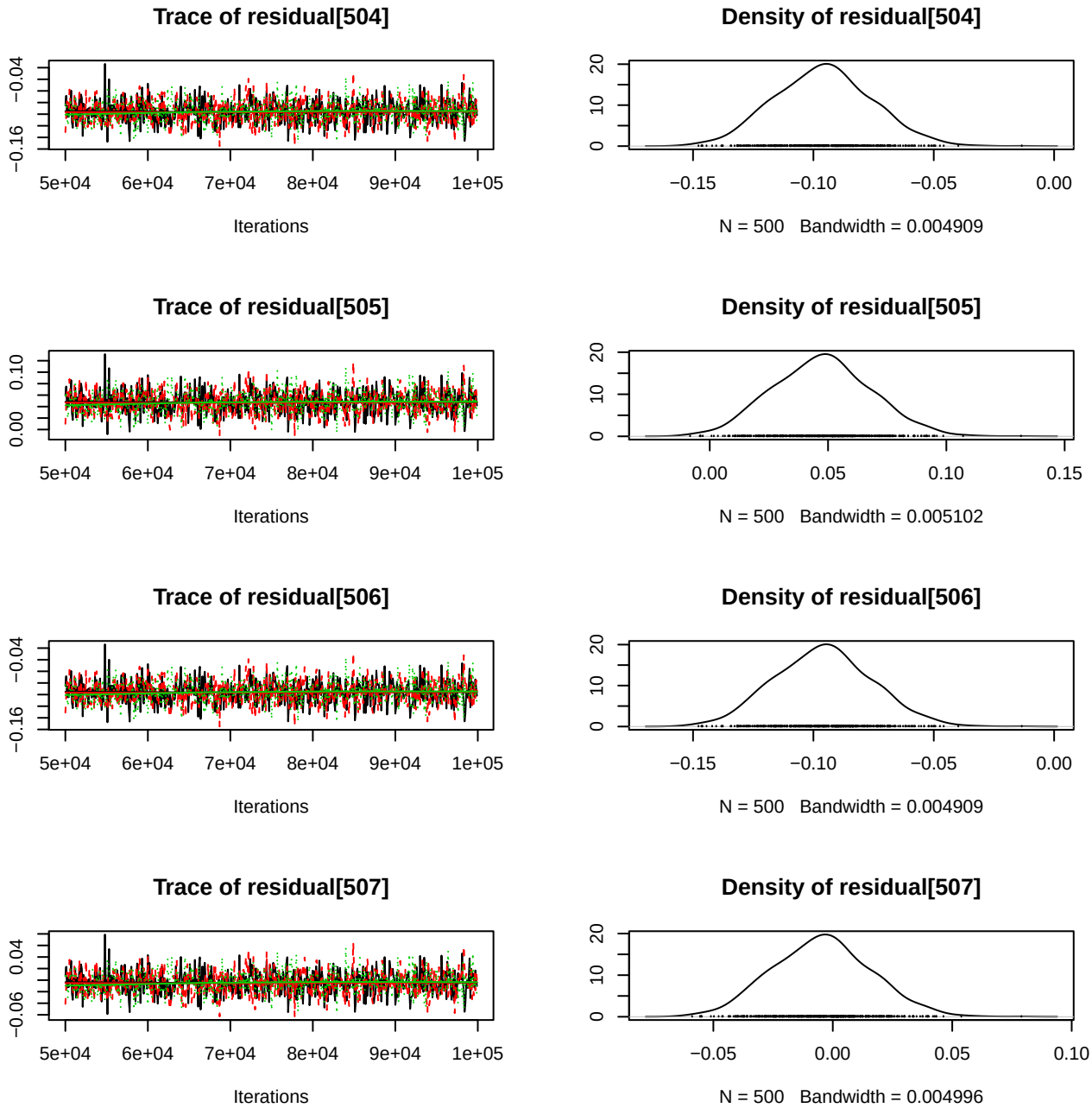

Density of residual[496]
0
5
15
−0.05
0.00
0.05
0.10
N = 500 Bandwidth = 0.006122

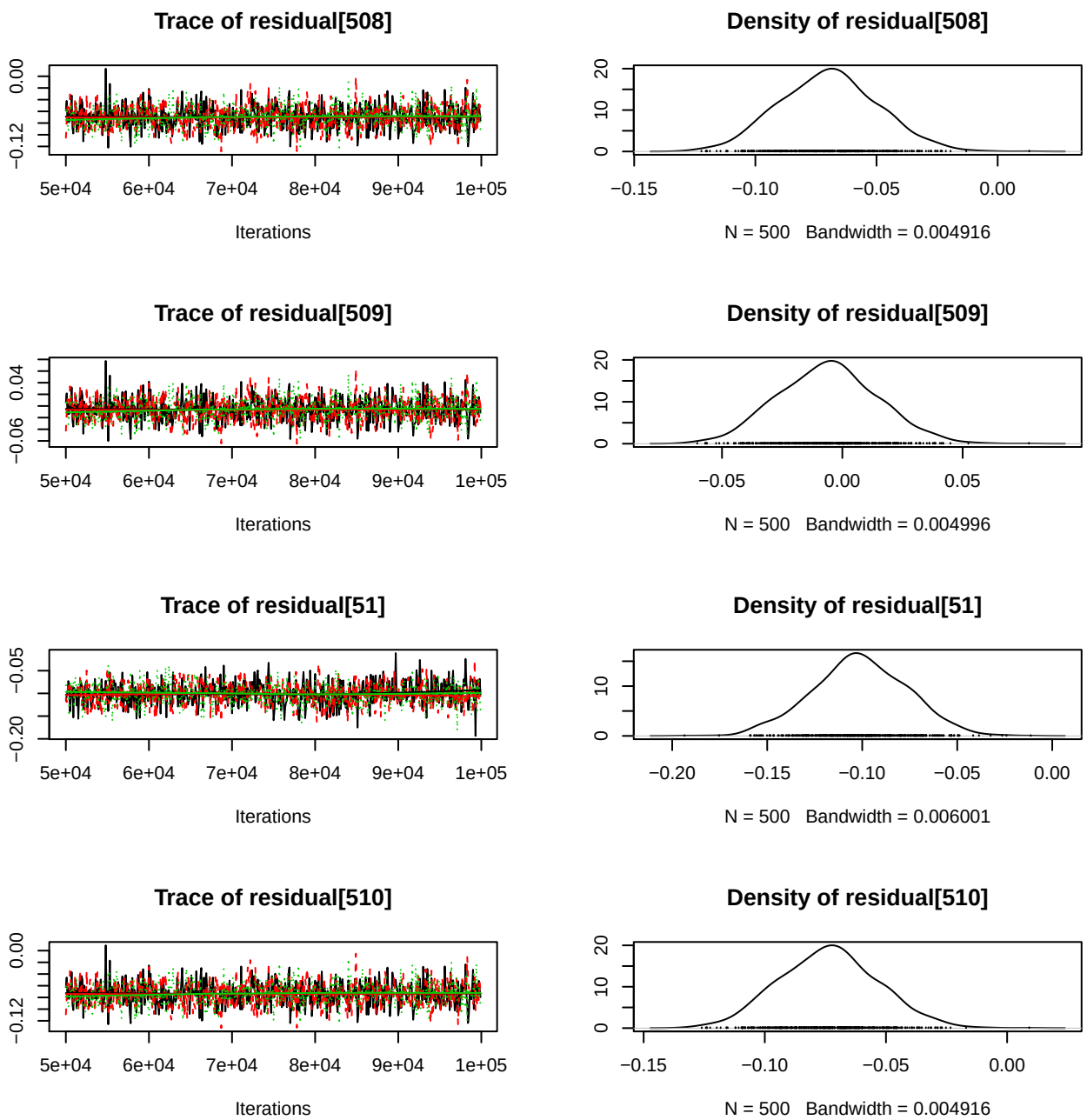

Trace of residual[497]
−0.10
0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations

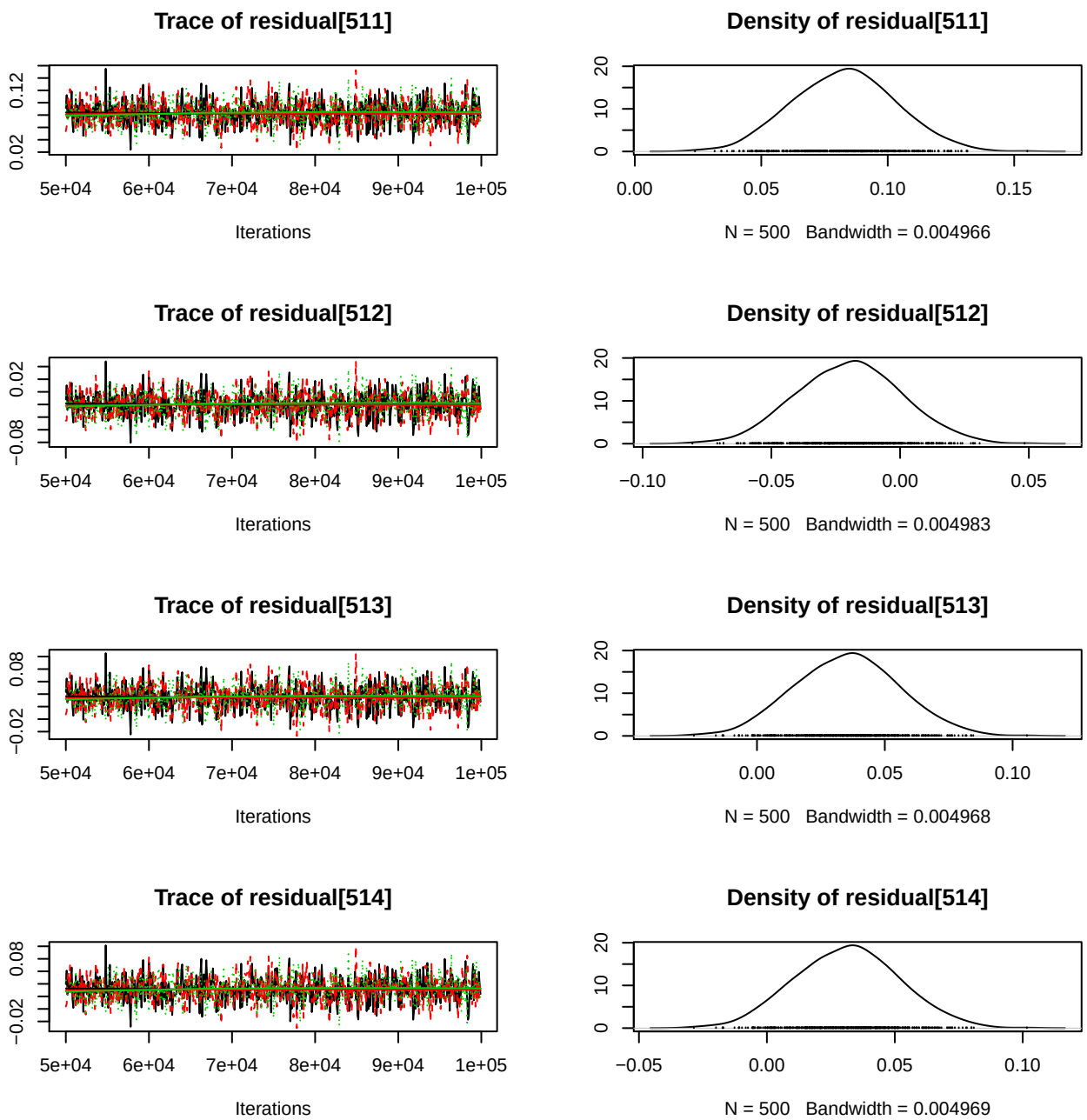

Density of residual[497]
0
5
15
−0.10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.006007

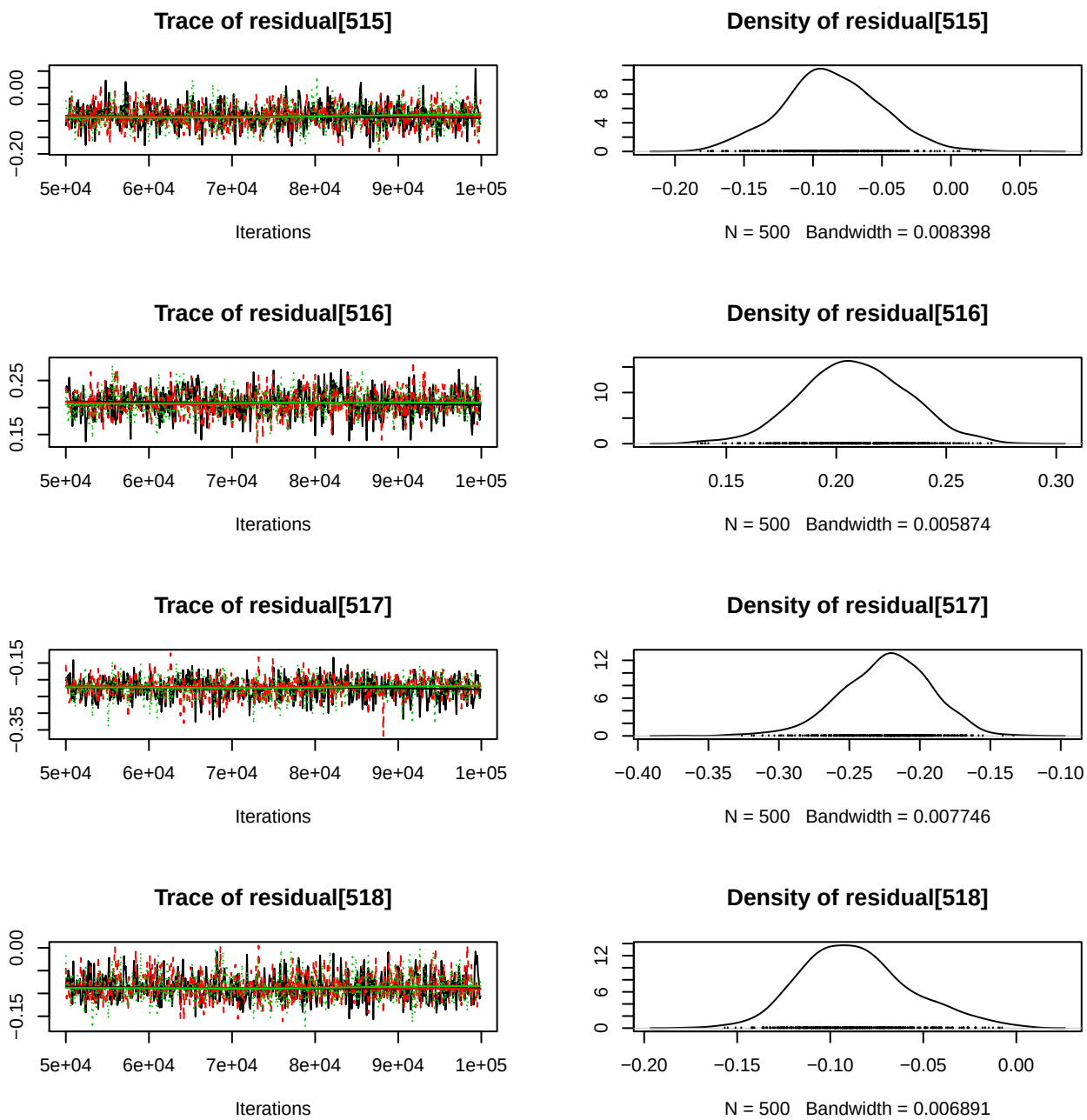

Trace of residual[498]
−0.10
5e+04 6e+04 7e+04 8e+04 9e+04 1e+05
Iterations
Density of residual[498]
0 10
−0.15 −0.10 −0.05 0.00 0.05
N = 500 Bandwidth = 0.00582
Trace of residual[499]
−0.10
5e+04 6e+04 7e+04 8e+04 9e+04 1e+05
Iterations
Density of residual[499]
0 10
−0.15 −0.10 −0.05 0.00 0.05
N = 500 Bandwidth = 0.005794
Trace of residual[5]
−0.14 −0.06
5e+04 6e+04 7e+04 8e+04 9e+04 1e+05
Iterations
Density of residual[5]
0 10 25
−0.16 −0.14 −0.12 −0.10 −0.08 −0.06 −0.04
N = 500 Bandwidth = 0.003586
Trace of residual[50]
−0.10 0.05
5e+04 6e+04 7e+04 8e+04 9e+04 1e+05
Iterations
Density of residual[50]
0 10
−0.10 −0.05 0.00 0.05
N = 500 Bandwidth = 0.00615

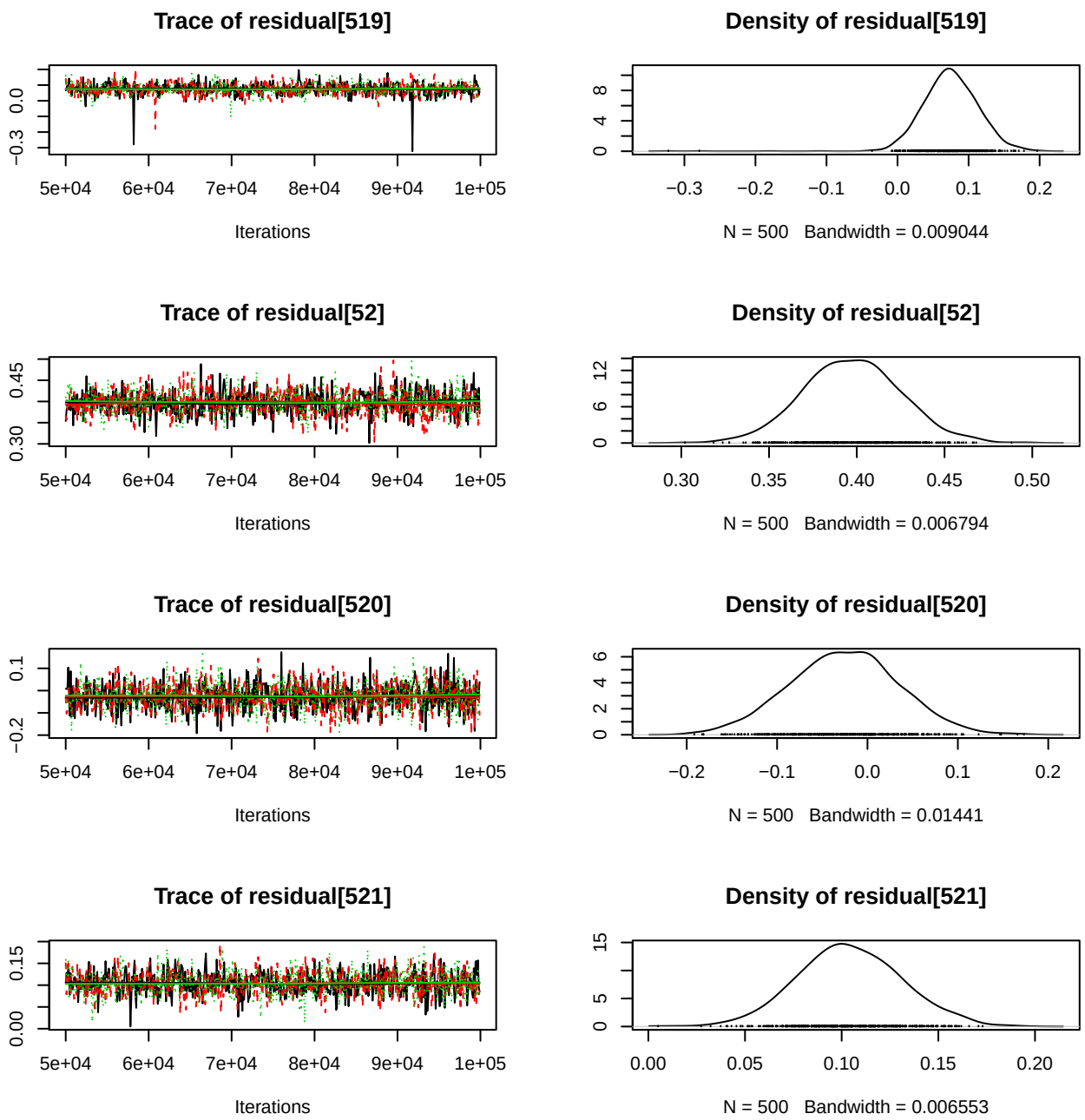

Trace of residual[500]
Iterations
Density of residual[500]
N = 500 Bandwidth = 0.0058
Trace of residual[501]
Iterations
Density of residual[501]
N = 500 Bandwidth = 0.005797
Trace of residual[502]
Iterations
Density of residual[502]
N = 500 Bandwidth = 0.008281
Trace of residual[503]
Iterations
Density of residual[503]
N = 500 Bandwidth = 0.005102

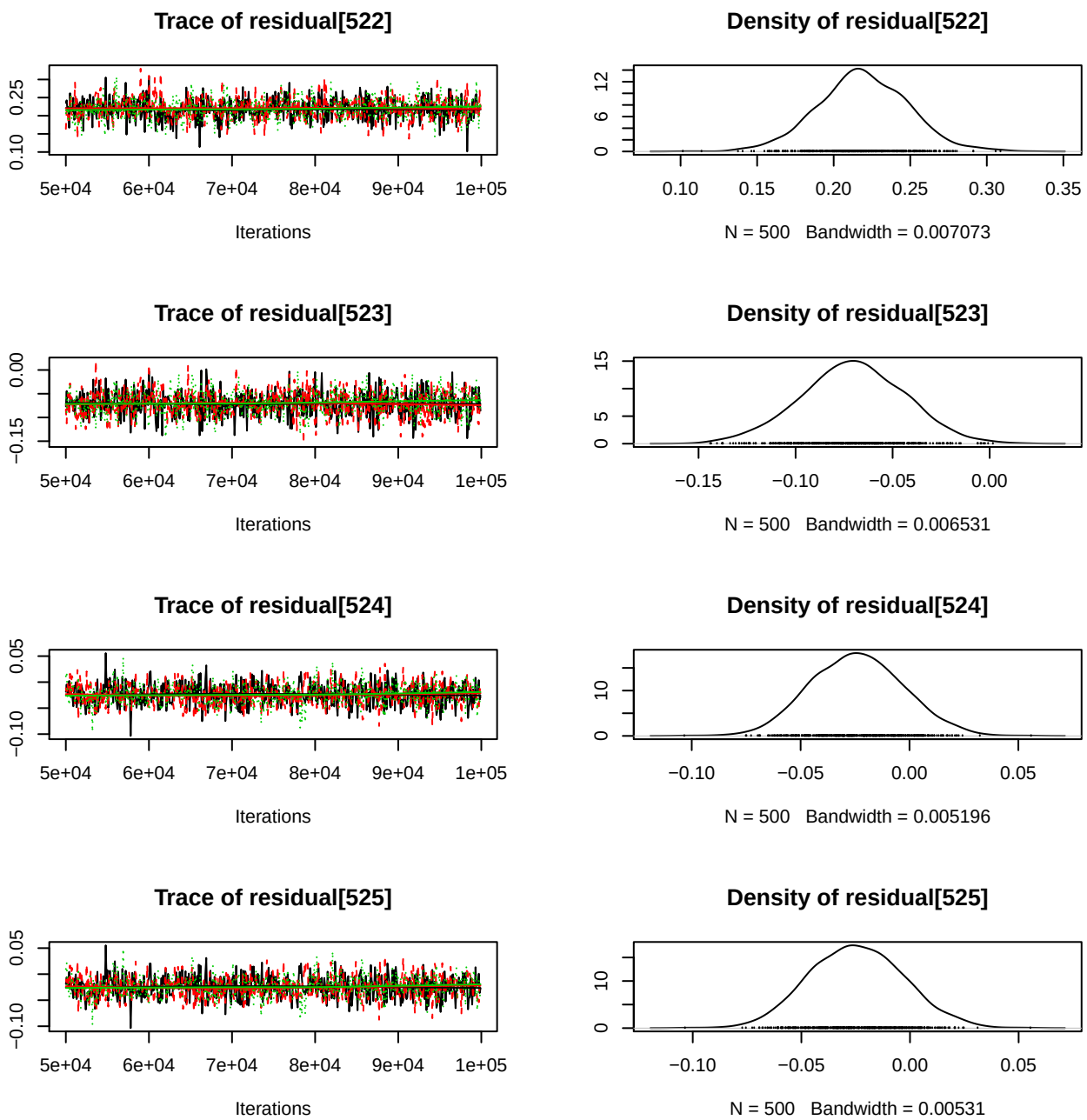

Trace of residual[504]
−0.16
−0.04
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[504]
0
10
20
−0.15
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.004909
Trace of residual[505]
0.00
0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[505]
0
10
20
0.00
0.05
0.10
0.15
N = 500 Bandwidth = 0.005102
Trace of residual[506]
−0.16
−0.04
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[506]
0
10
20
−0.15
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.004909
Trace of residual[507]
−0.06
0.04
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[507]
0
10
20
−0.05
0.00
0.05
0.10
N = 500 Bandwidth = 0.004996

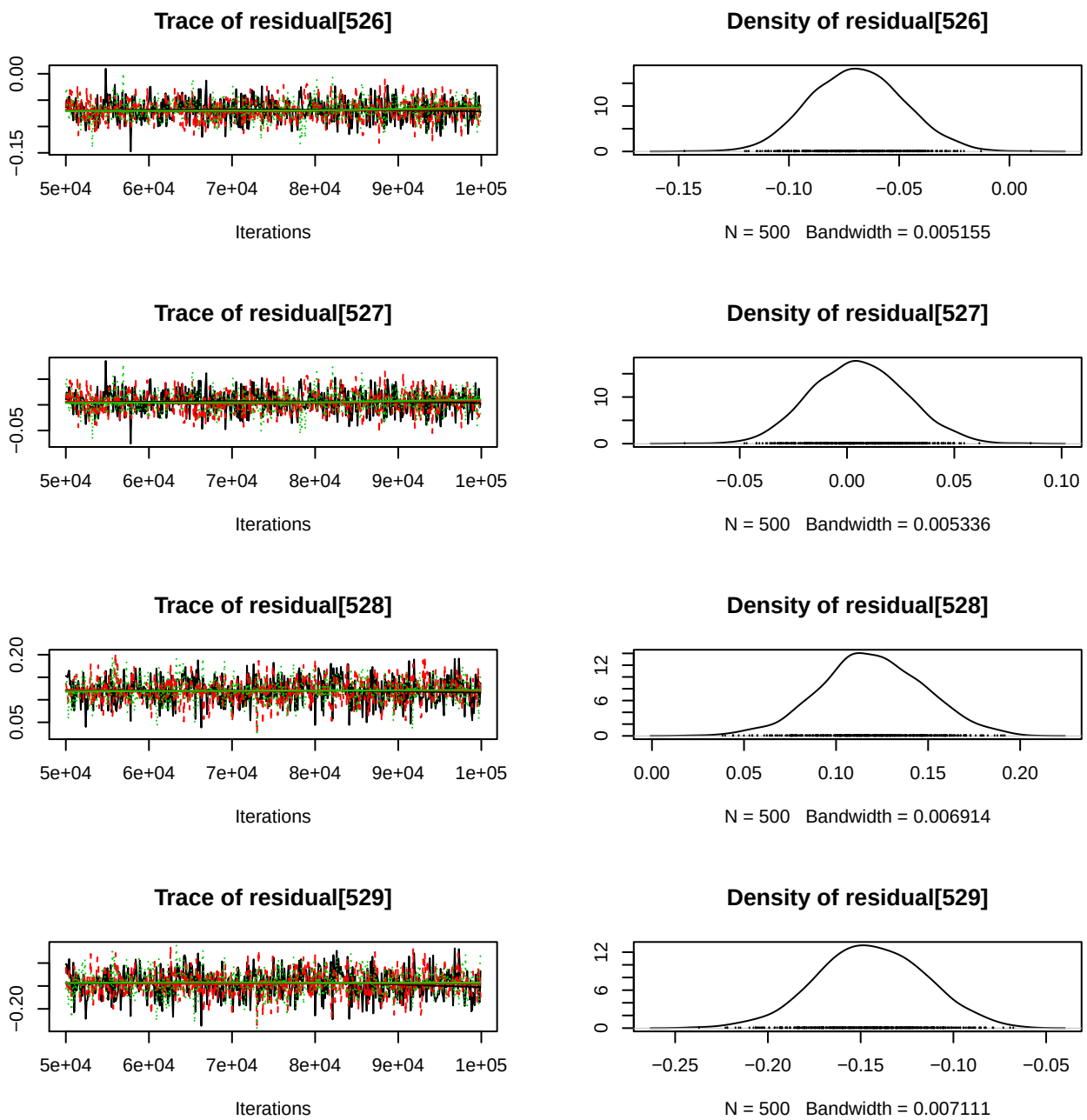

Trace of residual[508]
Iterations
Density of residual[508]
N = 500 Bandwidth = 0.004916
Trace of residual[509]
Iterations
Density of residual[509]
N = 500 Bandwidth = 0.004996
Trace of residual[51]
Iterations
Density of residual[51]
N = 500 Bandwidth = 0.006001
Trace of residual[510]
Iterations
Density of residual[510]
N = 500 Bandwidth = 0.004916

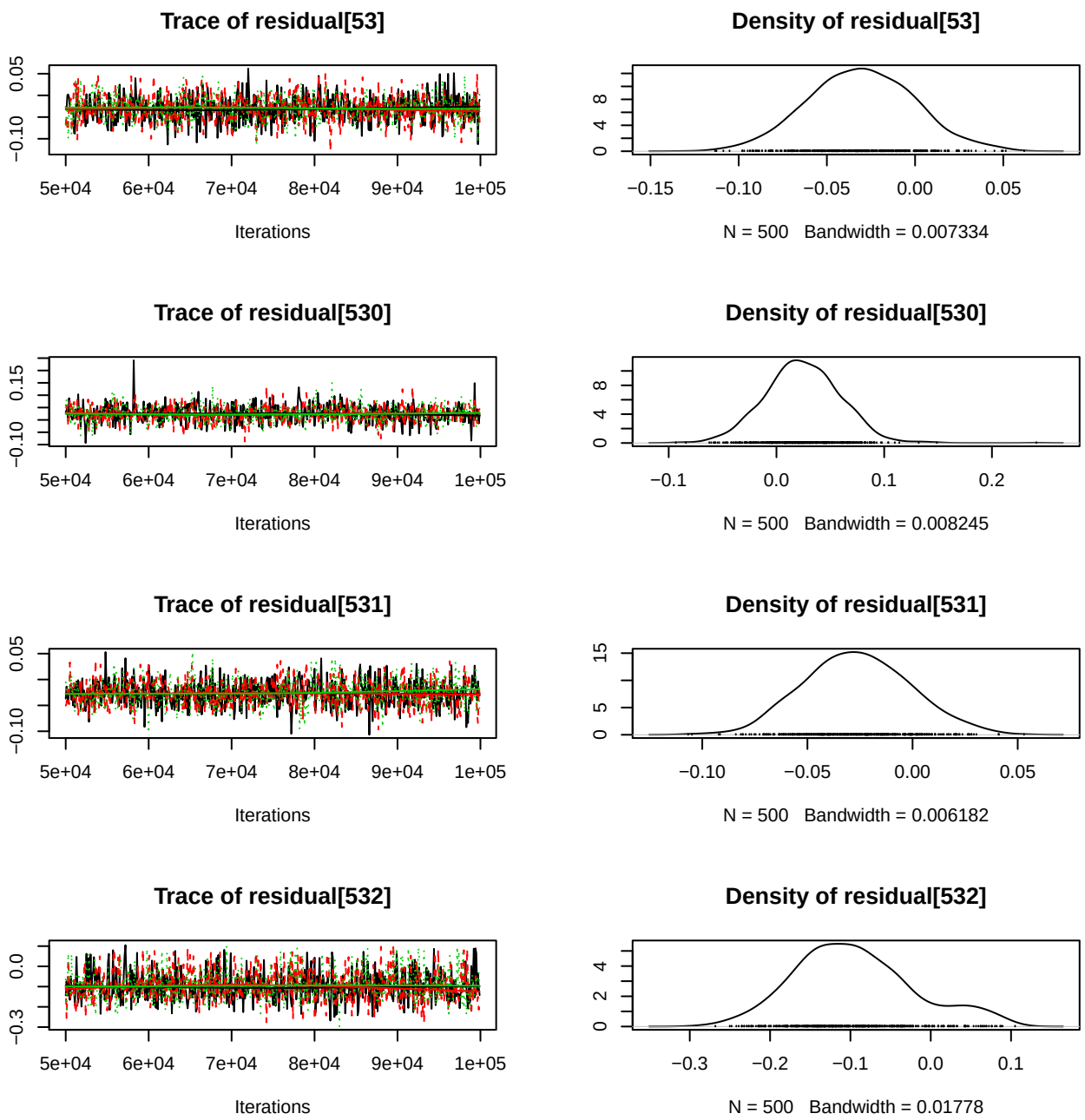

Trace of residual[511]
0.02
0.12
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[511]
0
10
20
0.00
0.05
0.10
0.15
N = 500 Bandwidth = 0.004966
Trace of residual[512]
−0.08
0.02
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[512]
0
10
20
−0.10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.004983
Trace of residual[513]
−0.02
0.08
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[513]
0
10
20
0.00
0.05
0.10
N = 500 Bandwidth = 0.004968
Trace of residual[514]
−0.02
0.08
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[514]
0
10
20
−0.05
0.00
0.05
0.10
N = 500 Bandwidth = 0.004969

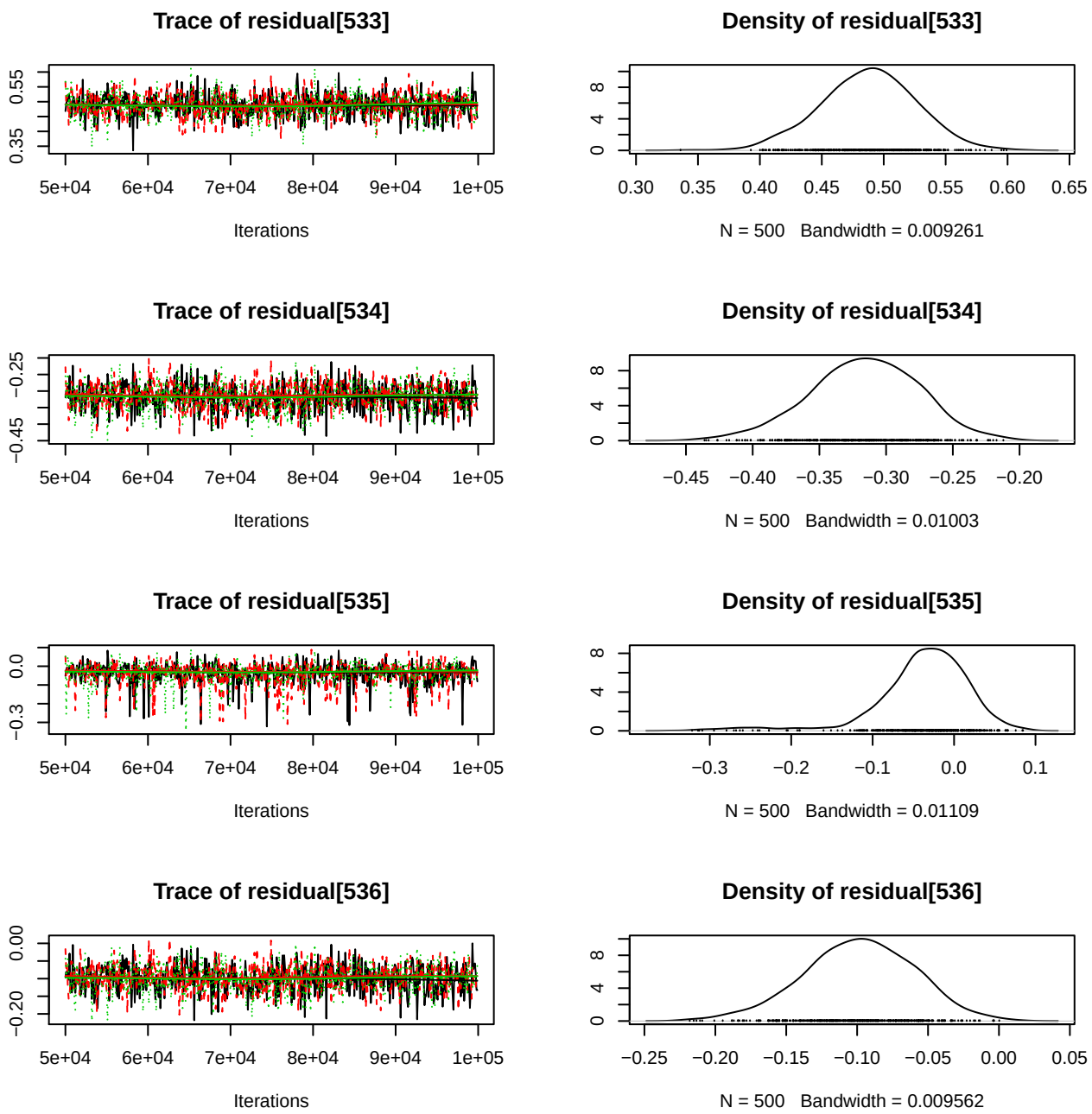

Trace of residual[515]
Iterations
Density of residual[515]
N = 500 Bandwidth = 0.008398
Trace of residual[516]
Iterations
Density of residual[516]
N = 500 Bandwidth = 0.005874
Trace of residual[517]
Iterations
Density of residual[517]
N = 500 Bandwidth = 0.007746
Trace of residual[518]
Iterations
Density of residual[518]
N = 500 Bandwidth = 0.006891

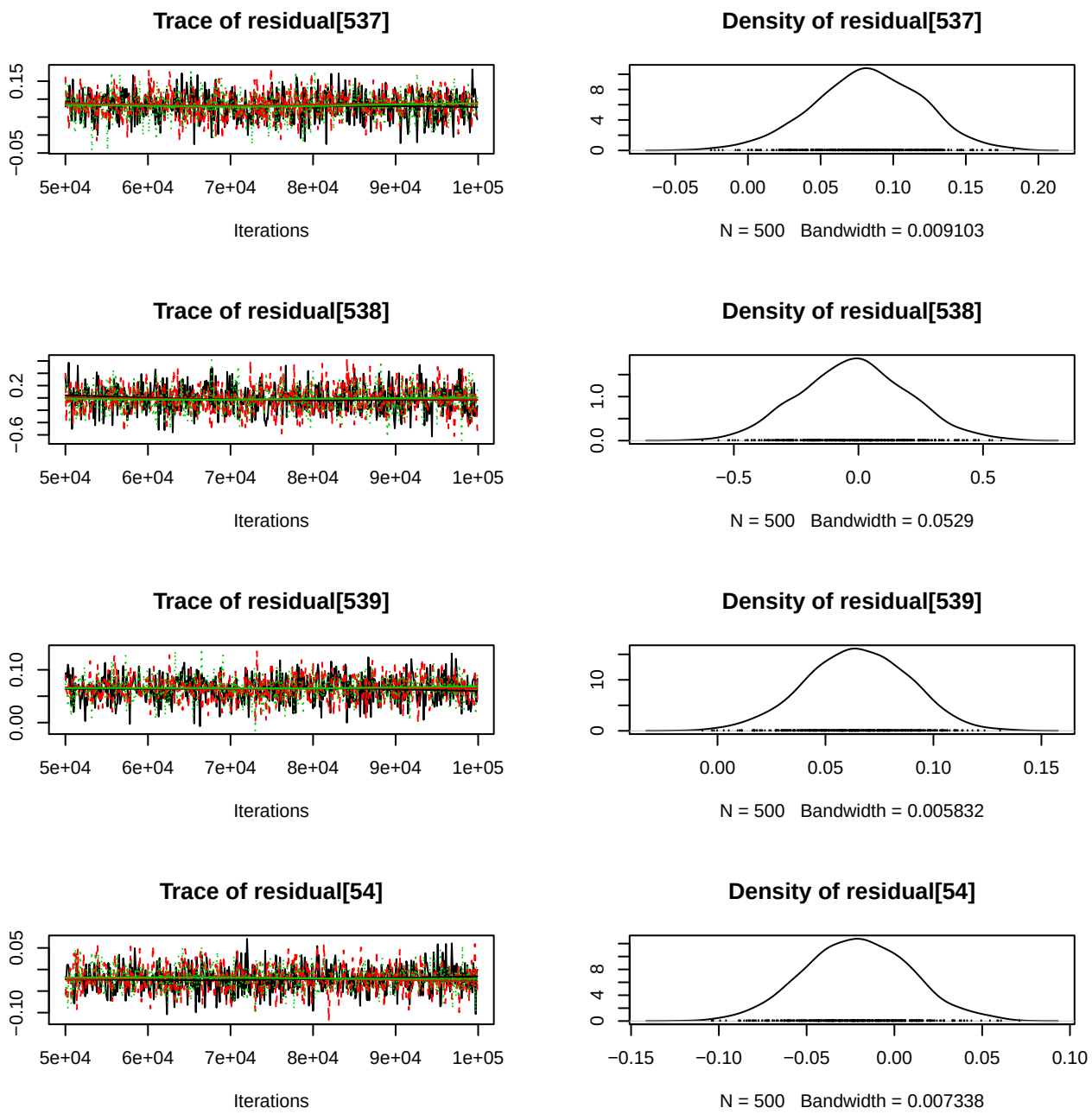

Trace of residual[519]
Iterations
Density of residual[519]
N = 500 Bandwidth = 0.009044
Trace of residual[52]
Iterations
Density of residual[52]
N = 500 Bandwidth = 0.006794
Trace of residual[520]
Iterations
Density of residual[520]
N = 500 Bandwidth = 0.01441
Trace of residual[521]
Iterations
Density of residual[521]
N = 500 Bandwidth = 0.006553

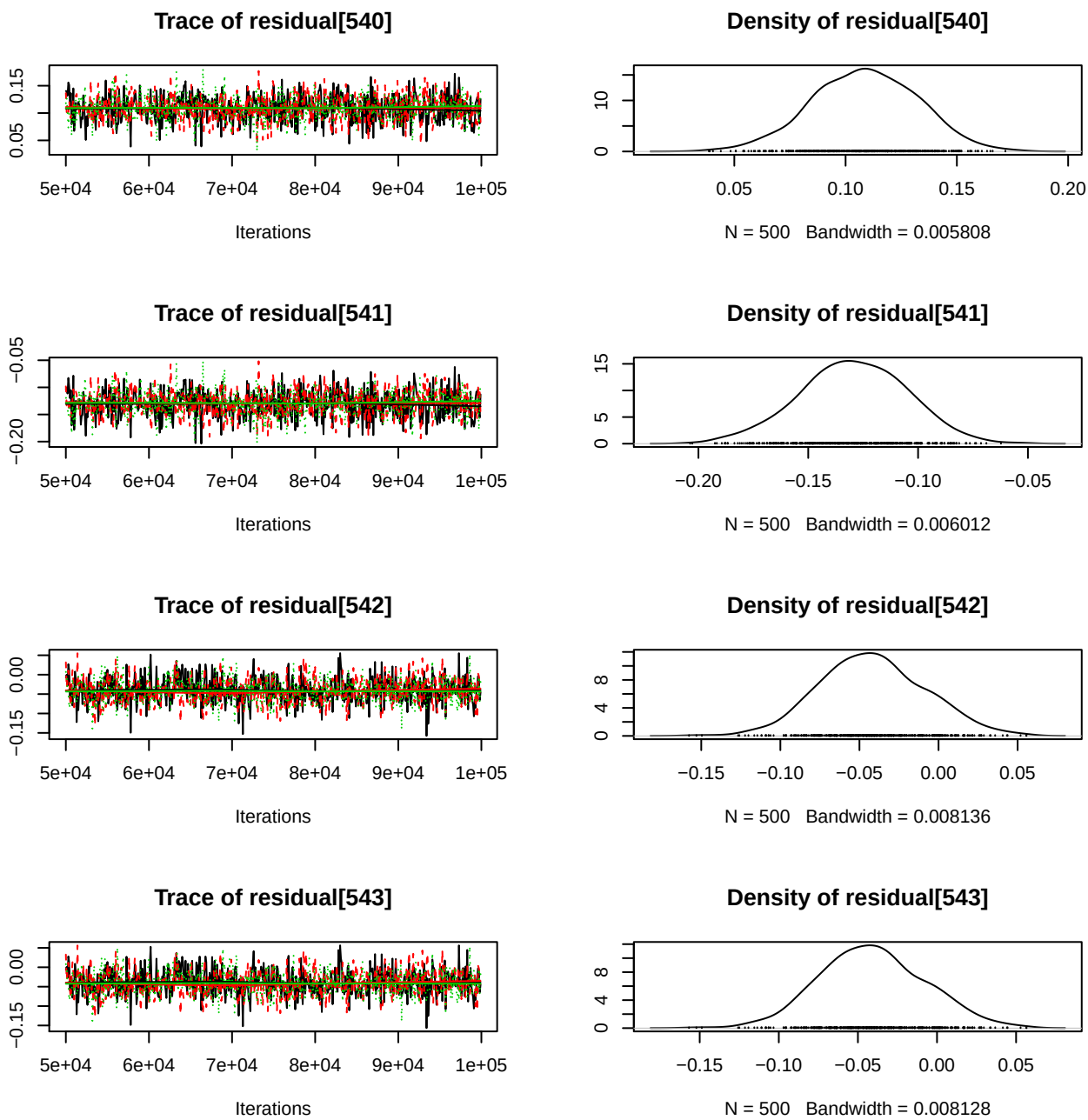

Trace of residual[522]
0.10
0.25
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[522]
0
6
12
0.10
0.15
0.20
0.25
0.30
0.35
N = 500 Bandwidth = 0.007073
Trace of residual[523]
−0.15
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[523]
0
5
15
−0.15
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.006531
Trace of residual[524]
−0.10
0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[524]
0
10
−0.10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.005196
Trace of residual[525]
−0.10
0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[525]
0
10
−0.10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.00531

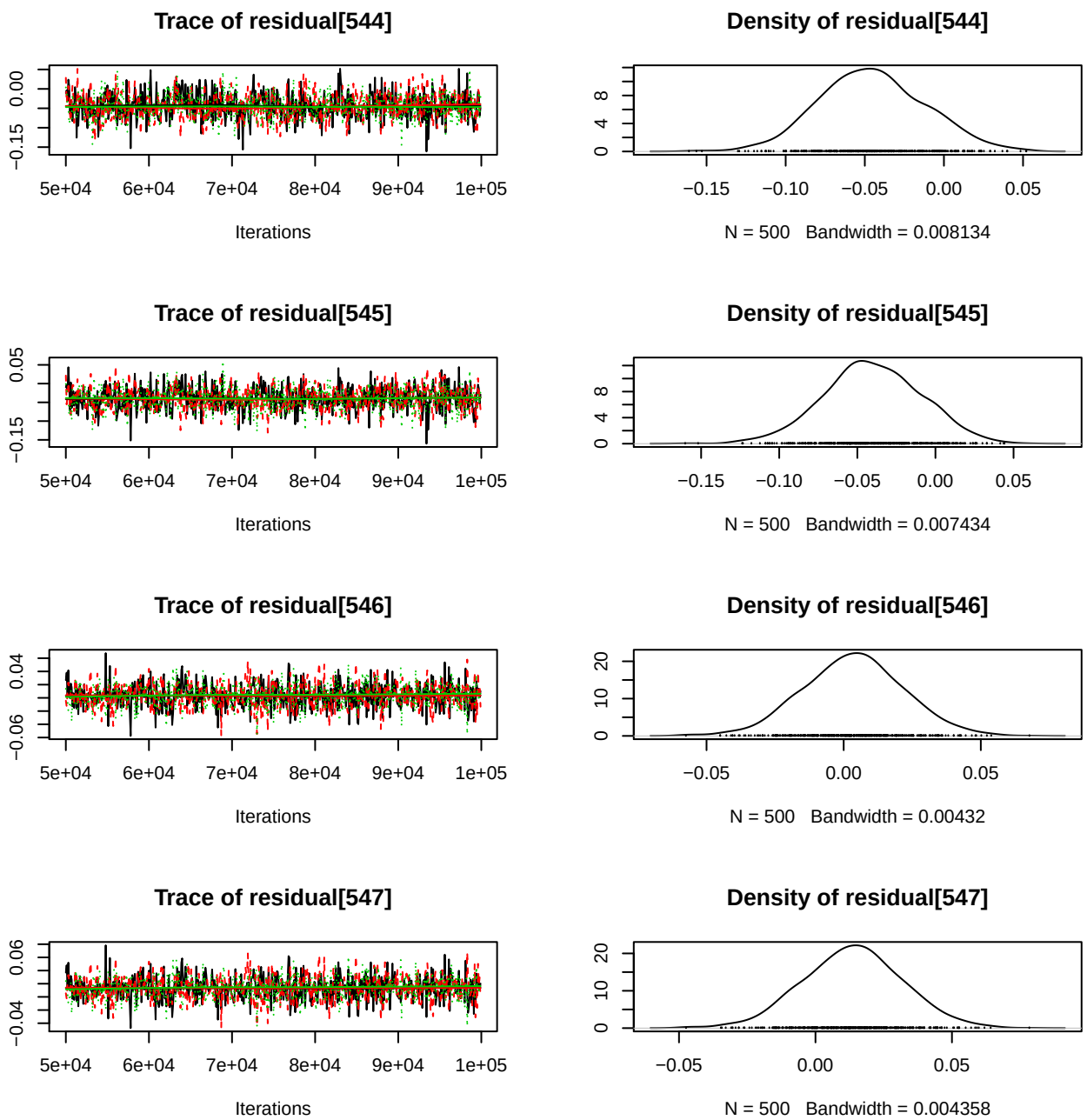

Trace of residual[526]
0.00
−0.15
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[526]
10
0
−0.15
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.005155
Trace of residual[527]
−0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[527]
10
0
−0.05
0.00
0.05
0.10
N = 500 Bandwidth = 0.005336
Trace of residual[528]
0.20
0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[528]
12
6
0
0.00
0.05
0.10
0.15
0.20
N = 500 Bandwidth = 0.006914
Trace of residual[529]
−0.20
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[529]
12
6
0
−0.25
−0.20
−0.15
−0.10
−0.05
N = 500 Bandwidth = 0.007111

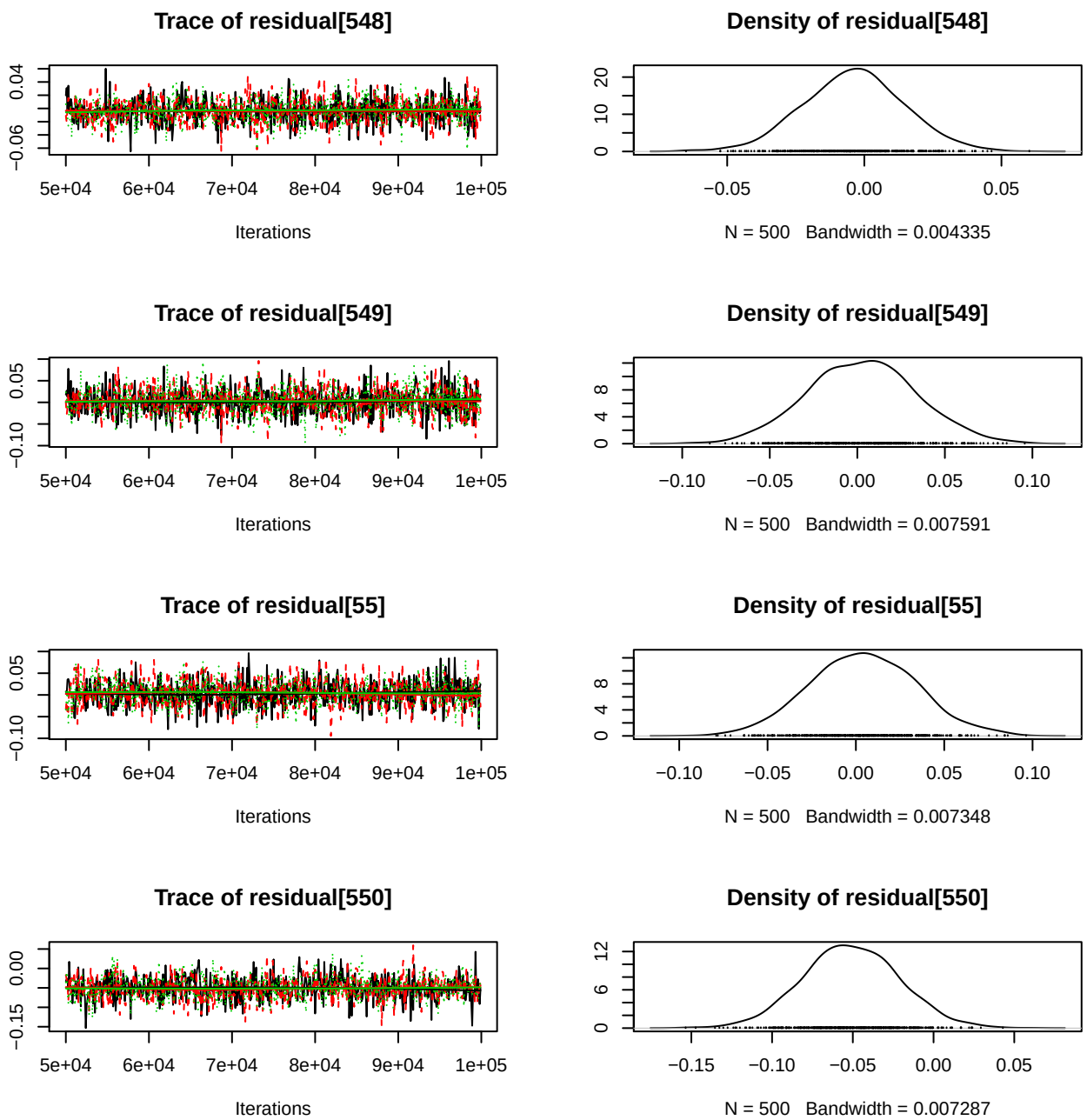

Trace of residual[53]
Iterations
Density of residual[53]
N = 500 Bandwidth = 0.007334
Trace of residual[530]
Iterations
Density of residual[530]
N = 500 Bandwidth = 0.008245
Trace of residual[531]
Iterations
Density of residual[531]
N = 500 Bandwidth = 0.006182
Trace of residual[532]
Iterations
Density of residual[532]
N = 500 Bandwidth = 0.01778

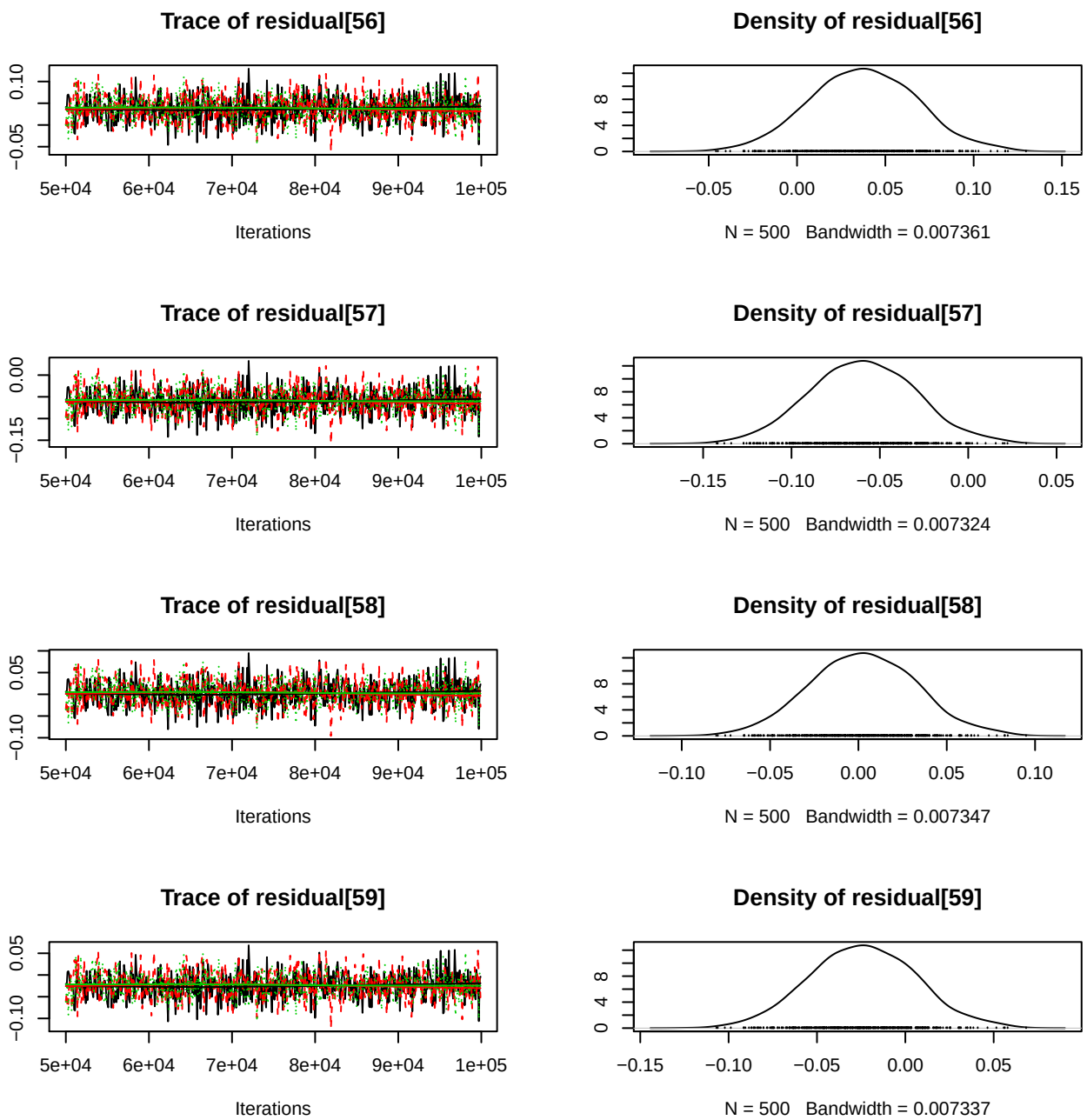

Trace of residual[533]
0.35
0.55
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[533]
0
4
8
0.30
0.35
0.40
0.45
0.50
0.55
0.60
0.65
N = 500 Bandwidth = 0.009261
Trace of residual[534]
−0.45
−0.25
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[534]
0
4
8
−0.45
−0.40
−0.35
−0.30
−0.25
−0.20
N = 500 Bandwidth = 0.01003
Trace of residual[535]
−0.3
0.0
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[535]
0
4
8
−0.3
−0.2
−0.1
0.0
0.1
N = 500 Bandwidth = 0.01109
Trace of residual[536]
−0.20
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[536]
0
4
8
−0.25
−0.20
−0.15
−0.10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.009562

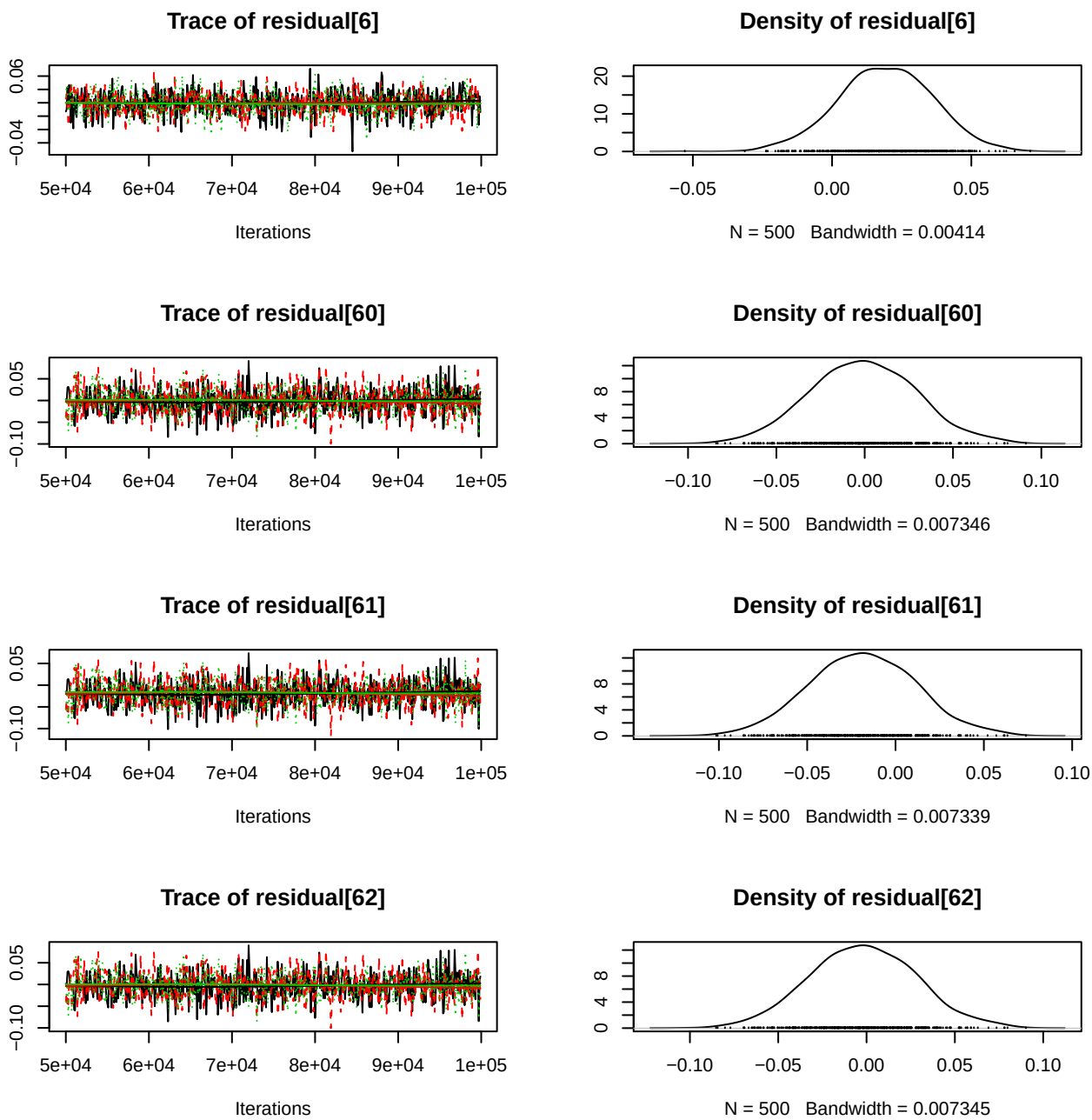

Trace of residual[537]
Iterations
Density of residual[537]
N = 500 Bandwidth = 0.009103
Trace of residual[538]
Iterations
Density of residual[538]
N = 500 Bandwidth = 0.0529
Trace of residual[539]
Iterations
Density of residual[539]
N = 500 Bandwidth = 0.005832
Trace of residual[54]
Iterations
Density of residual[54]
N = 500 Bandwidth = 0.007338

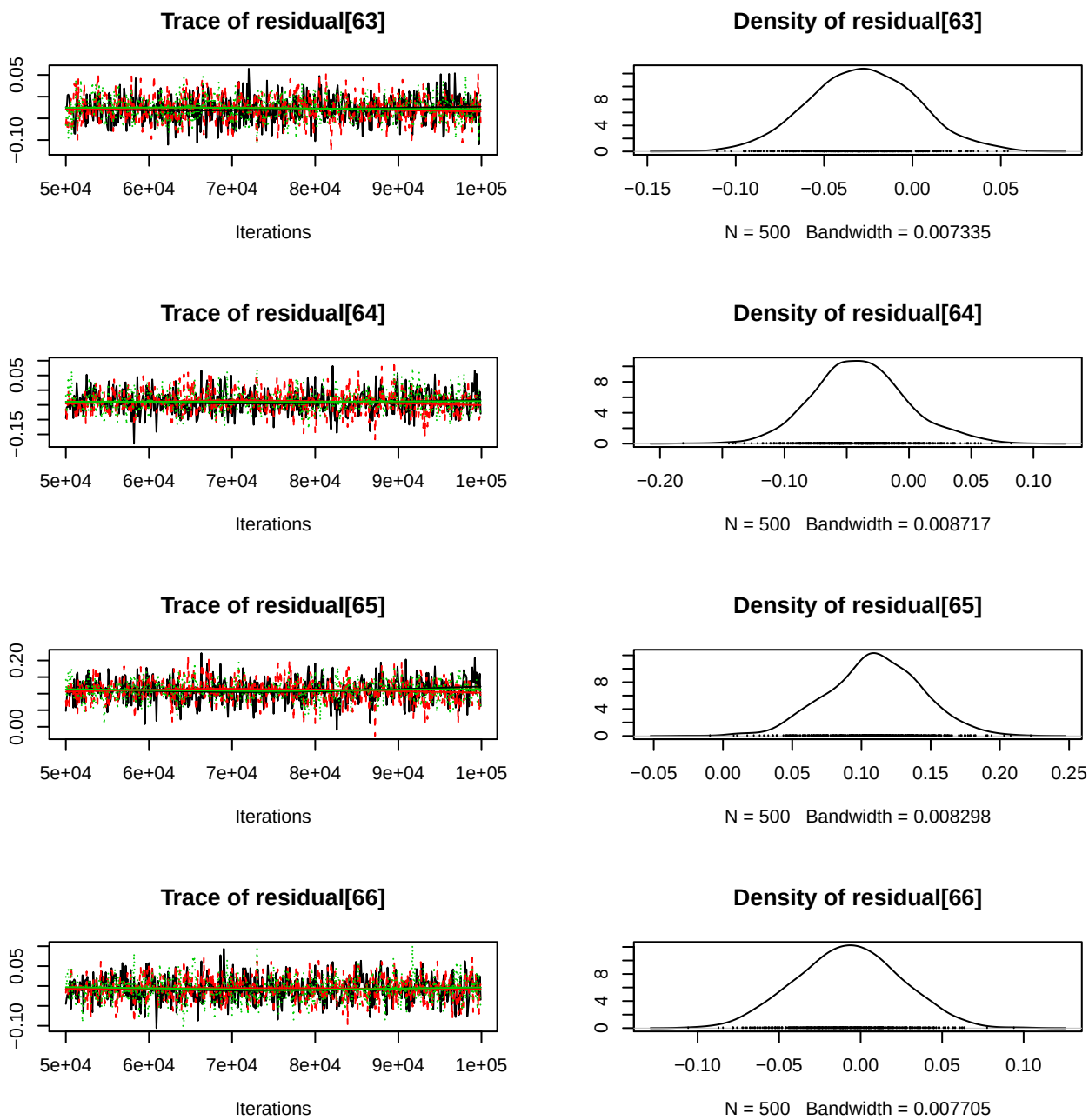

Trace of residual[540]
0.05
0.15
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[540]
0
10
0.05
0.10
0.15
0.20
N = 500 Bandwidth = 0.005808
Trace of residual[541]
−0.20
−0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[541]
0
5
15
−0.20
−0.15
−0.10
−0.05
N = 500 Bandwidth = 0.006012
Trace of residual[542]
−0.15
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[542]
0
4
8
−0.15
−0.10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.008136
Trace of residual[543]
−0.15
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[543]
0
4
8
−0.15
−0.10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.008128

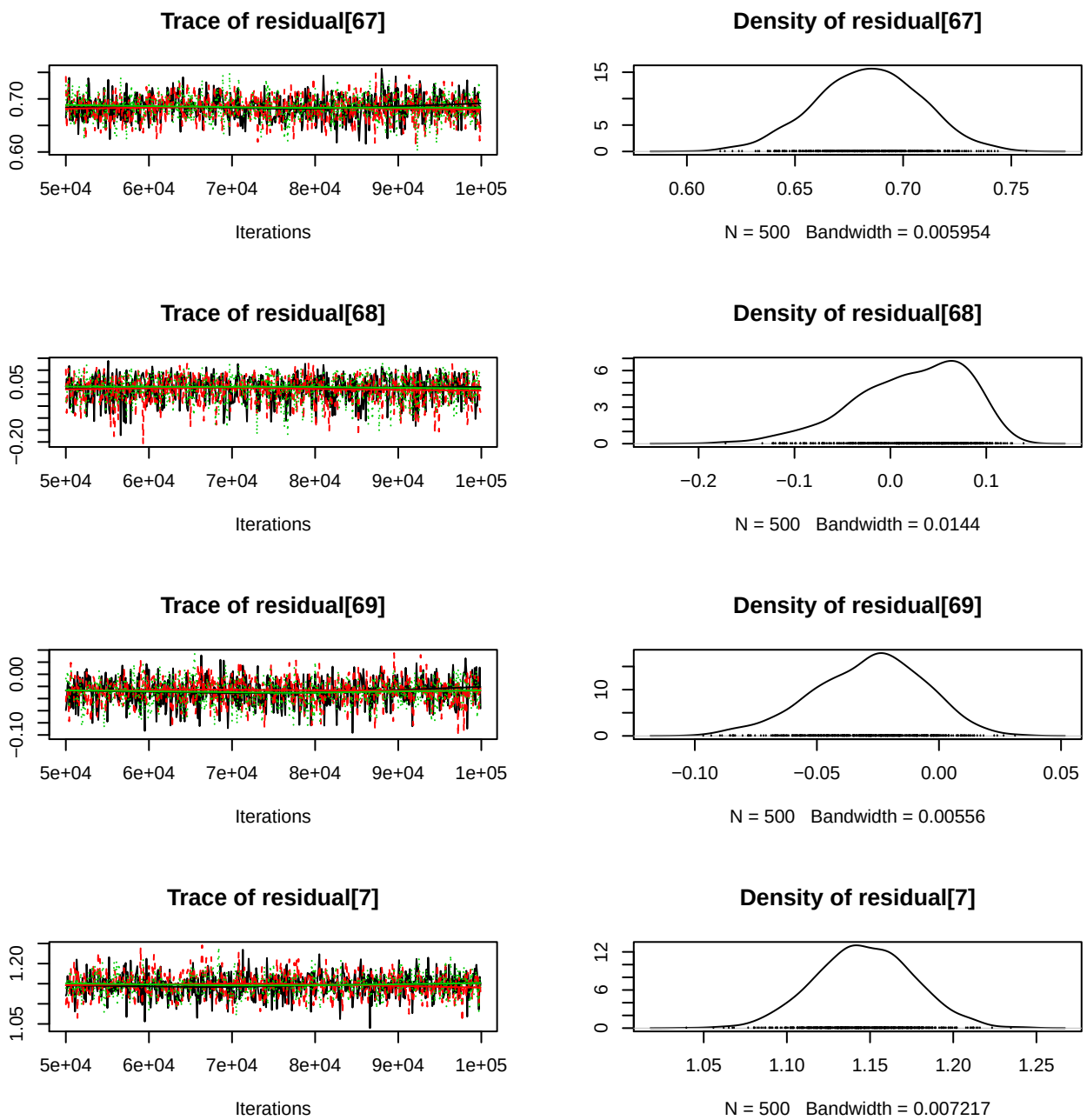

Trace of residual[544]
Iterations
Density of residual[544]
N = 500 Bandwidth = 0.008134
Trace of residual[545]
Iterations
Density of residual[545]
N = 500 Bandwidth = 0.007434
Trace of residual[546]
Iterations
Density of residual[546]
N = 500 Bandwidth = 0.00432
Trace of residual[547]
Iterations
Density of residual[547]
N = 500 Bandwidth = 0.004358

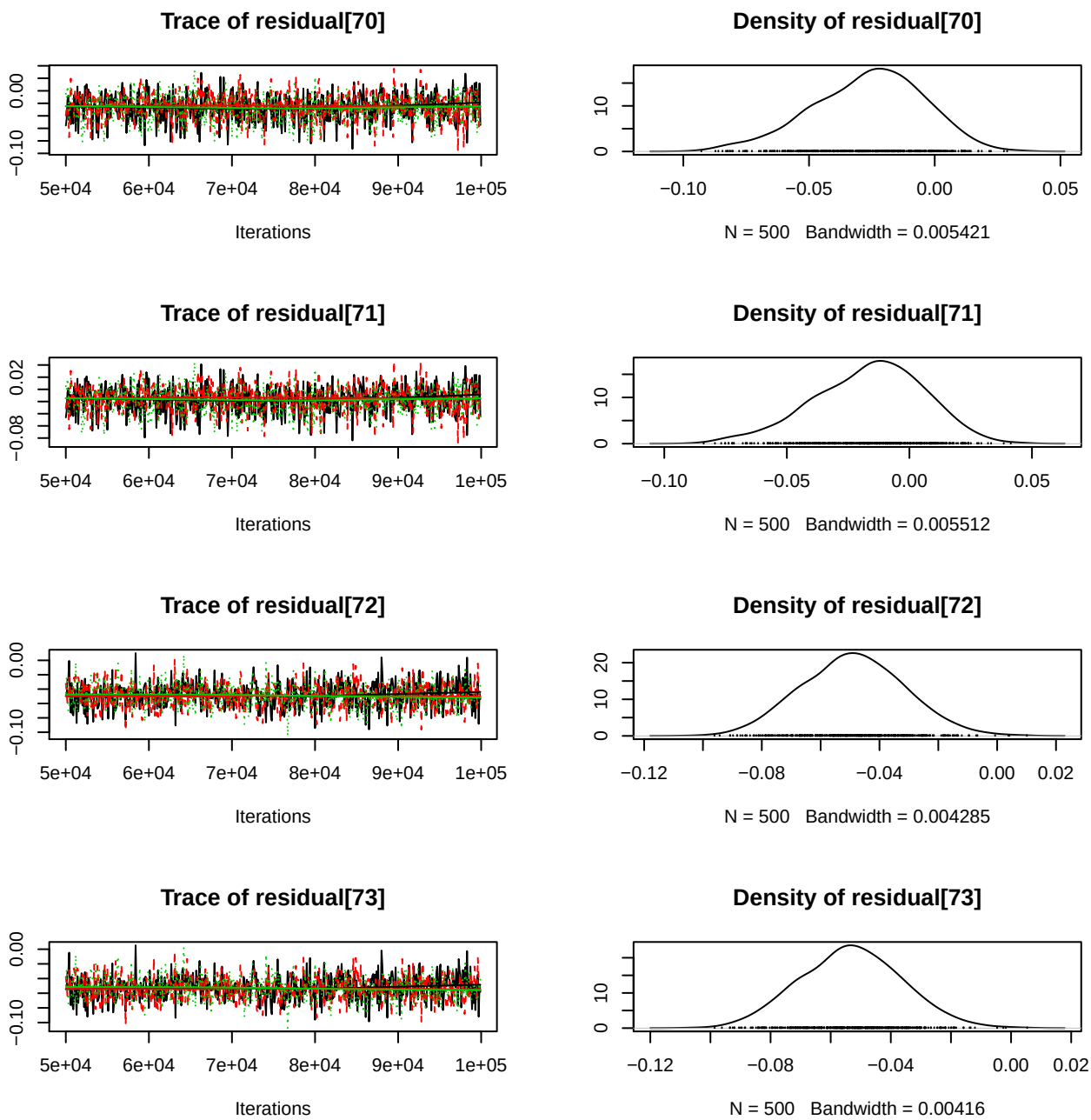

Trace of residual[548]
Iterations
Density of residual[548]
N = 500 Bandwidth = 0.004335
Trace of residual[549]
Iterations
Density of residual[549]
N = 500 Bandwidth = 0.007591
Trace of residual[55]
Iterations
Density of residual[55]
N = 500 Bandwidth = 0.007348
Trace of residual[550]
Iterations
Density of residual[550]
N = 500 Bandwidth = 0.007287

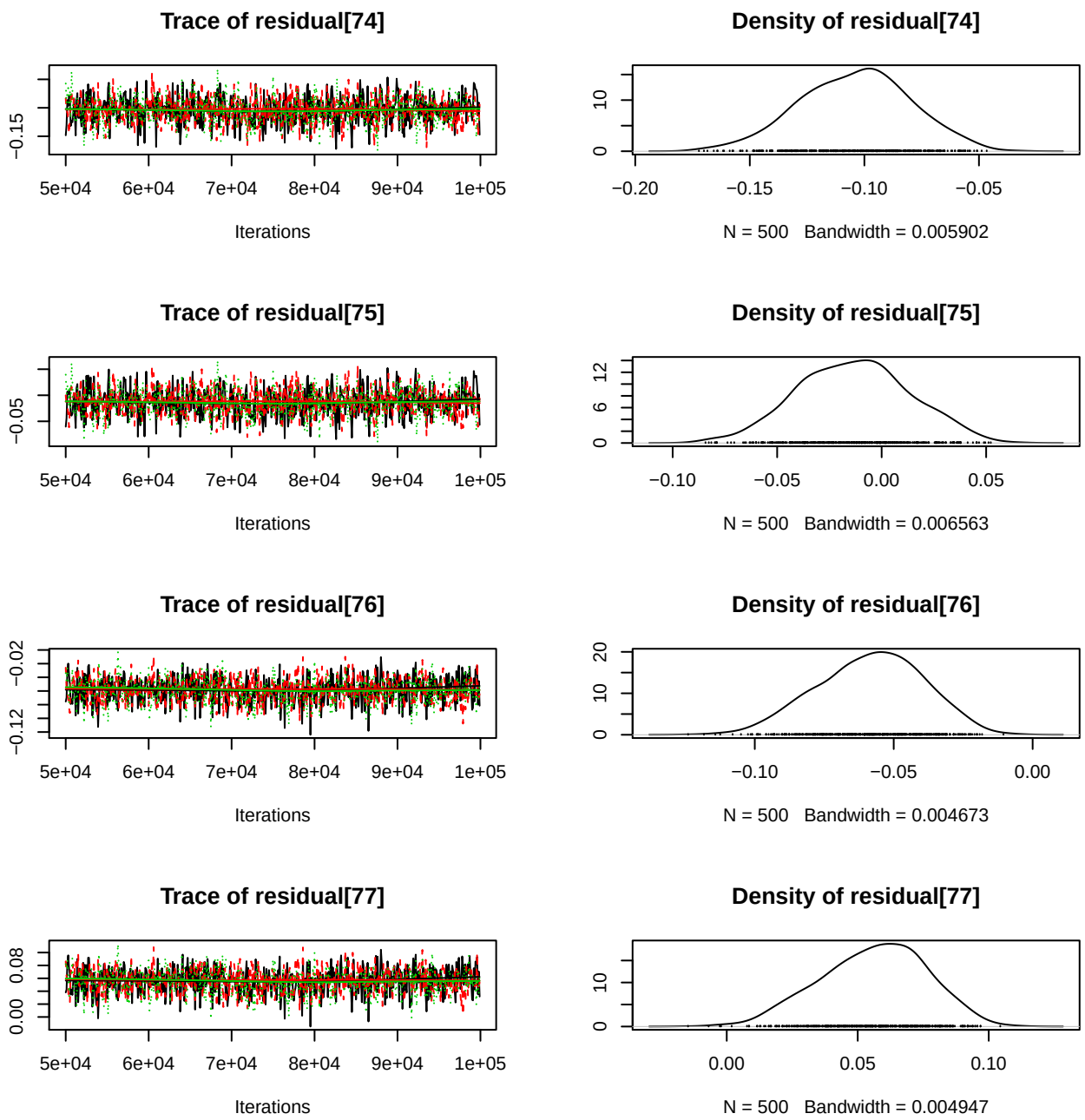

Trace of residual[56]
Iterations
Density of residual[56]
N = 500 Bandwidth = 0.007361
Trace of residual[57]
Iterations
Density of residual[57]
N = 500 Bandwidth = 0.007324
Trace of residual[58]
Iterations
Density of residual[58]
N = 500 Bandwidth = 0.007347
Trace of residual[59]
Iterations
Density of residual[59]
N = 500 Bandwidth = 0.007337

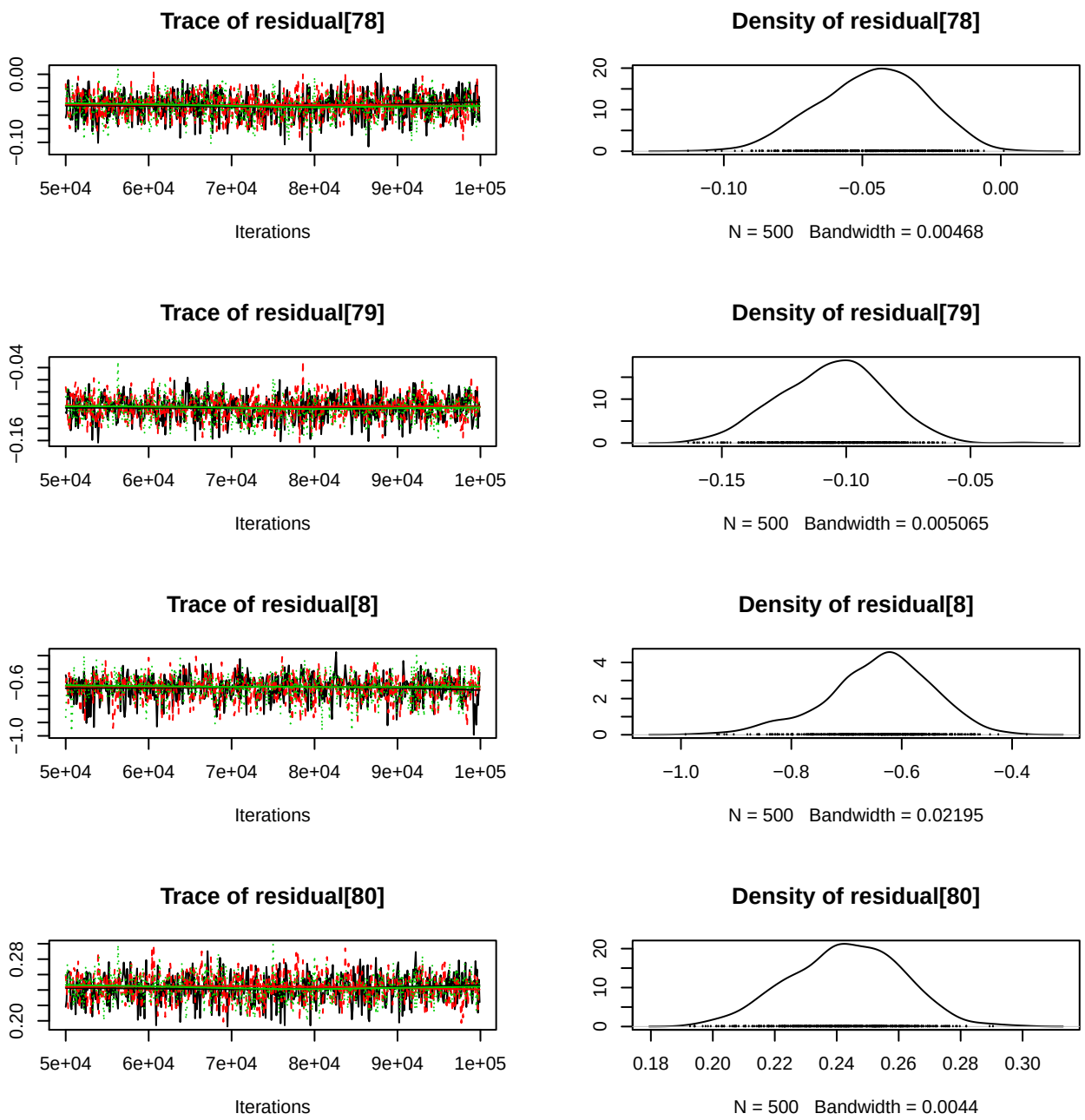

Trace of residual[6]
Iterations
Density of residual[6]
N = 500 Bandwidth = 0.00414
Trace of residual[60]
Iterations
Density of residual[60]
N = 500 Bandwidth = 0.007346
Trace of residual[61]
Iterations
Density of residual[61]
N = 500 Bandwidth = 0.007339
Trace of residual[62]
Iterations
Density of residual[62]
N = 500 Bandwidth = 0.007345

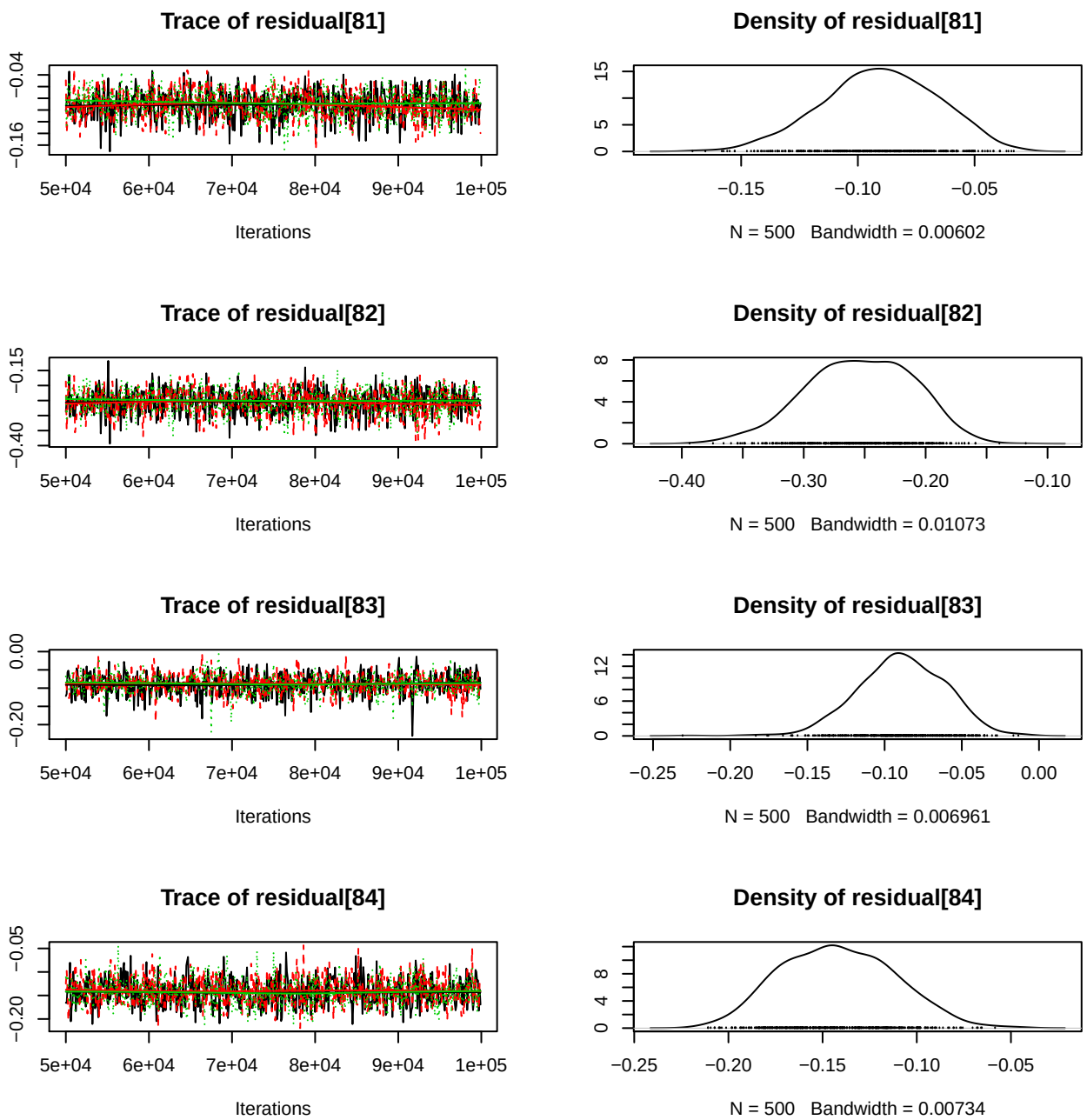

Trace of residual[63]
Iterations
Density of residual[63]
N = 500 Bandwidth = 0.007335
Trace of residual[64]
Iterations
Density of residual[64]
N = 500 Bandwidth = 0.008717
Trace of residual[65]
Iterations
Density of residual[65]
N = 500 Bandwidth = 0.008298
Trace of residual[66]
Iterations
Density of residual[66]
N = 500 Bandwidth = 0.007705

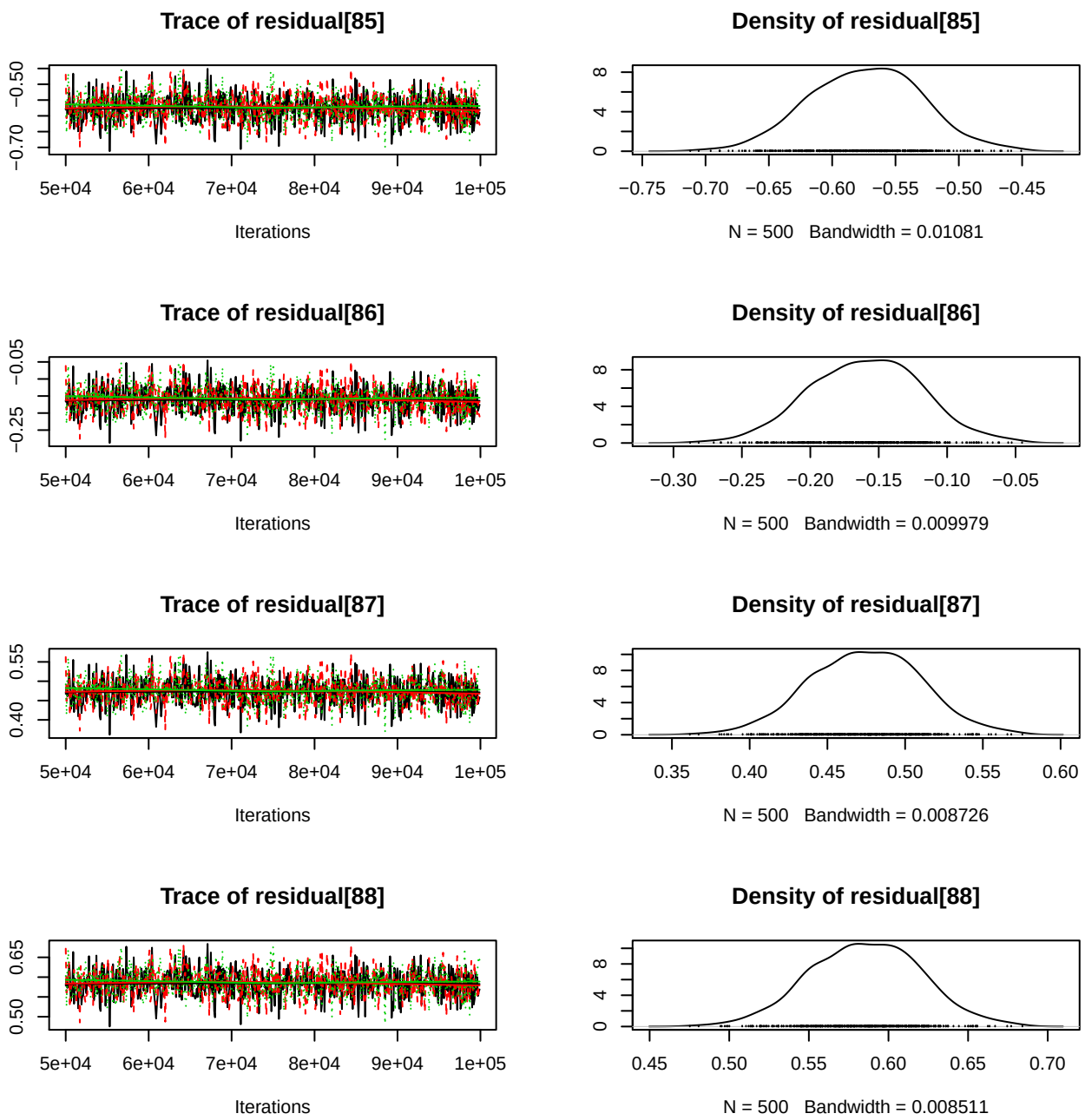

Trace of residual[67]
0.60
0.70
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[67]
0
5
15
0.60
0.65
0.70
0.75
N = 500 Bandwidth = 0.005954
Trace of residual[68]
−0.20
0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[68]
0
3
6
−0.2
−0.1
0.0
0.1
N = 500 Bandwidth = 0.0144
Trace of residual[69]
−0.10
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[69]
0
10
−0.10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.00556
Trace of residual[7]
1.05
1.20
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[7]
0
6
12
1.05
1.10
1.15
1.20
1.25
N = 500 Bandwidth = 0.007217

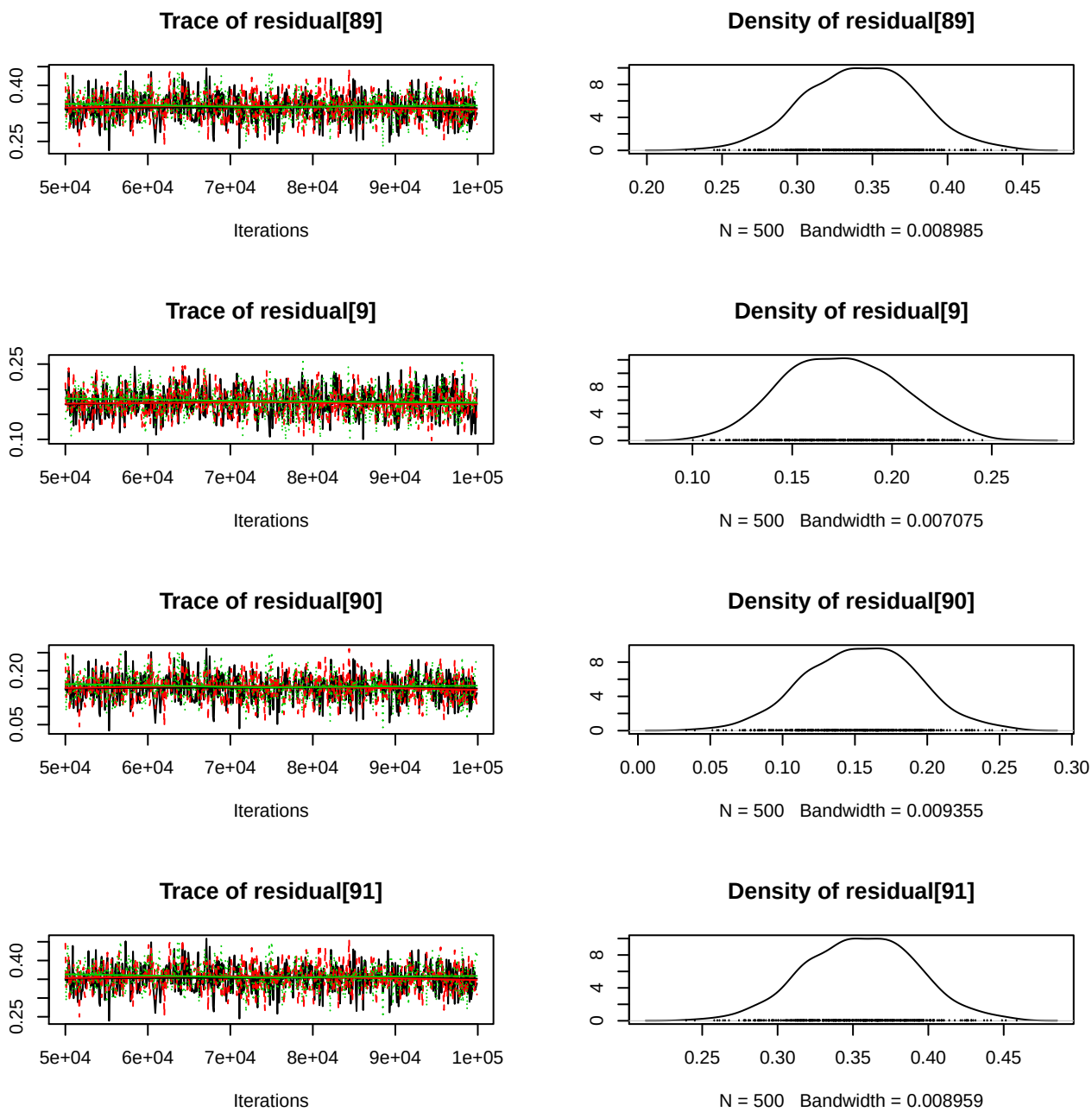

Trace of residual[70]
Iterations
Density of residual[70]
N = 500 Bandwidth = 0.005421
Trace of residual[71]
Iterations
Density of residual[71]
N = 500 Bandwidth = 0.005512
Trace of residual[72]
Iterations
Density of residual[72]
N = 500 Bandwidth = 0.004285
Trace of residual[73]
Iterations
Density of residual[73]
N = 500 Bandwidth = 0.00416

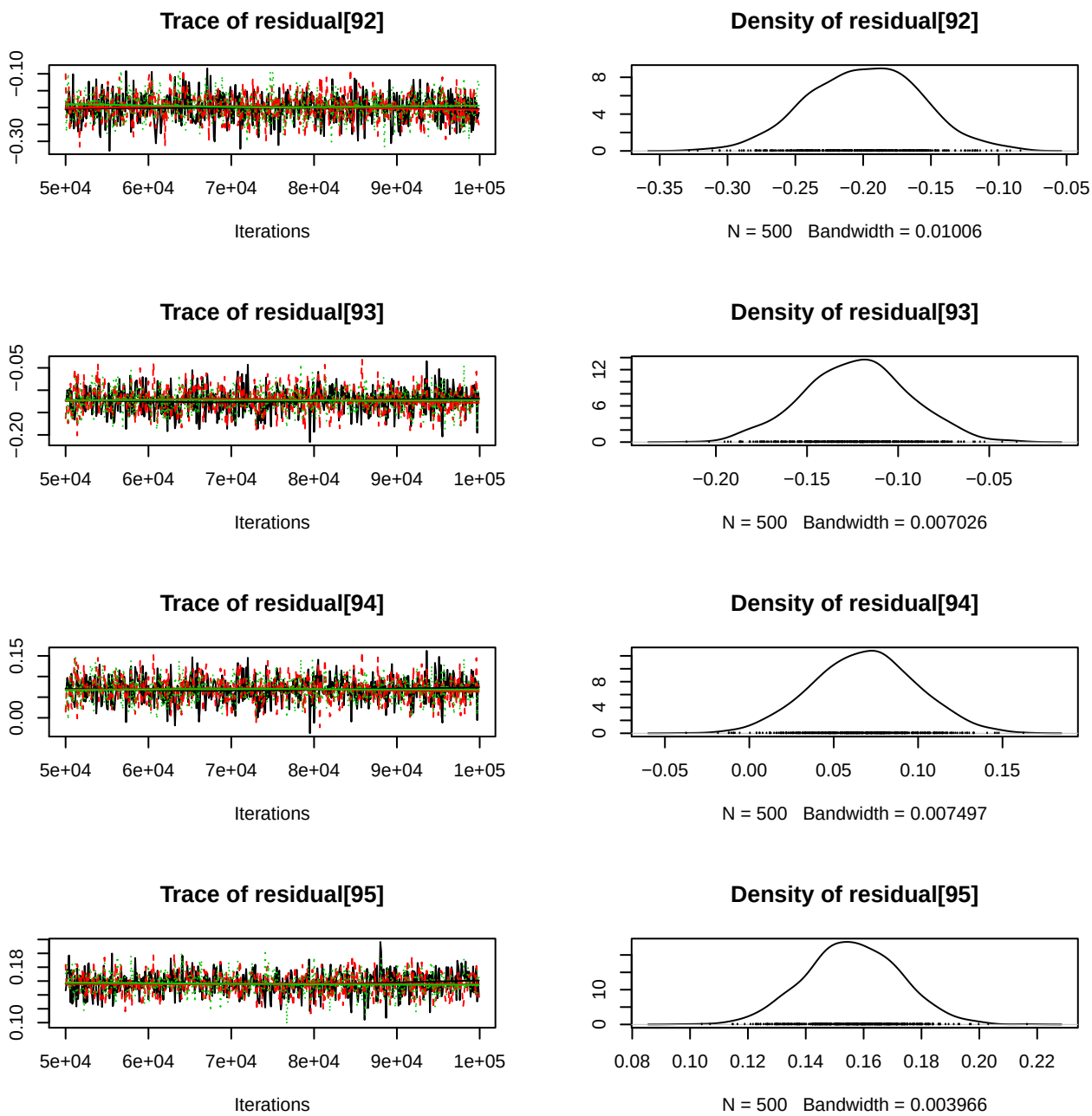

Trace of residual[74]
−0.15
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[74]
0
10
−0.20
−0.15
−0.10
−0.05
N = 500 Bandwidth = 0.005902
Trace of residual[75]
−0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[75]
0
6
12
−0.10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.006563
Trace of residual[76]
−0.12
−0.02
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[76]
0
10
20
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.004673
Trace of residual[77]
0.00
0.08
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[77]
0
10
0.00
0.05
0.10
N = 500 Bandwidth = 0.004947

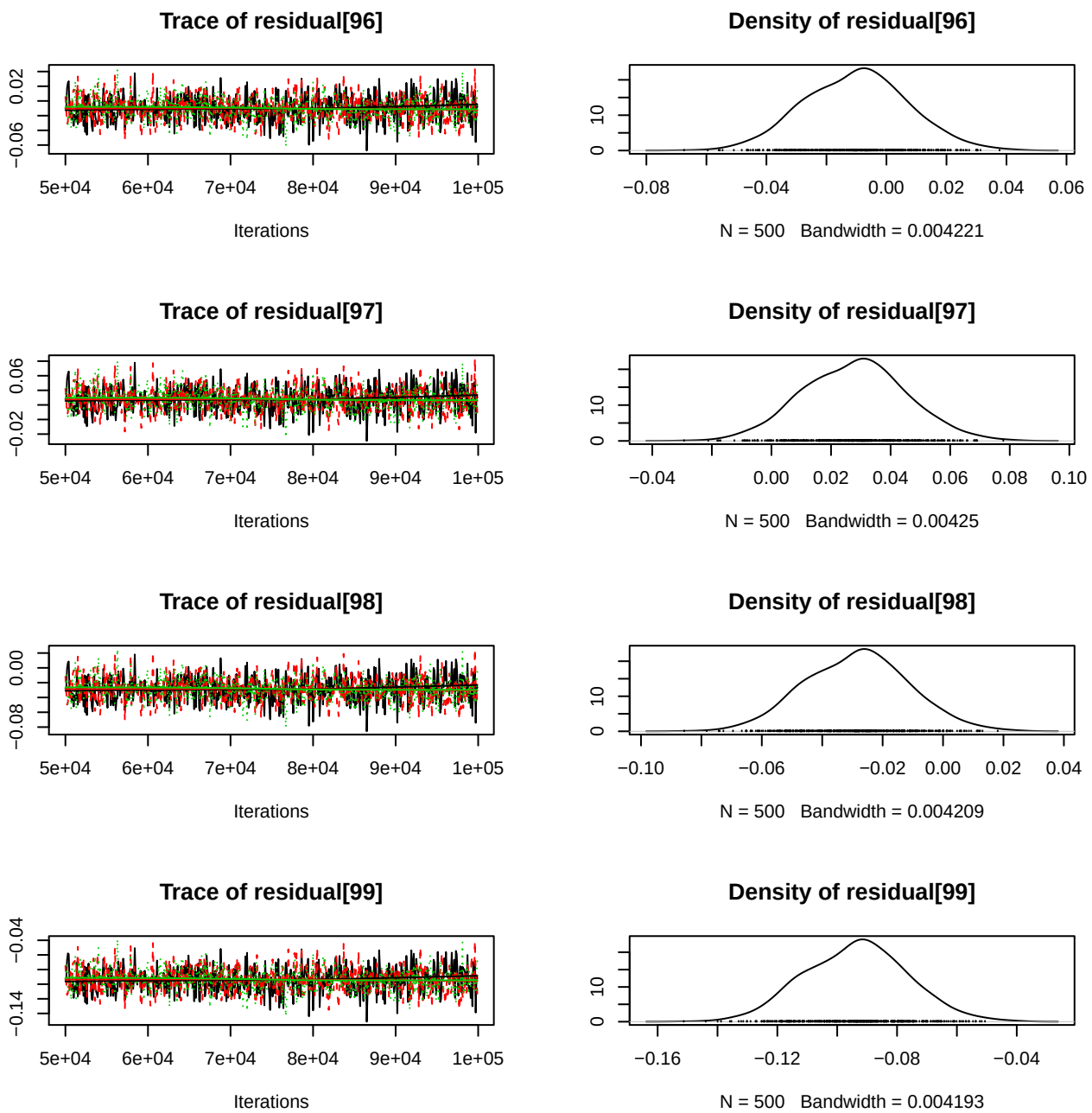

Trace of residual[78]
0.00
−0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[78]
20
10
0
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.00468
Trace of residual[79]
−0.04
−0.16
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[79]
10
0
−0.15
−0.10
−0.05
N = 500 Bandwidth = 0.005065
Trace of residual[8]
−0.6
−1.0
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[8]
4
2
0
−1.0
−0.8
−0.6
−0.4
N = 500 Bandwidth = 0.02195
Trace of residual[80]
0.28
0.20
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[80]
20
10
0
0.18
0.20
0.22
0.24
0.26
0.28
0.30
N = 500 Bandwidth = 0.0044

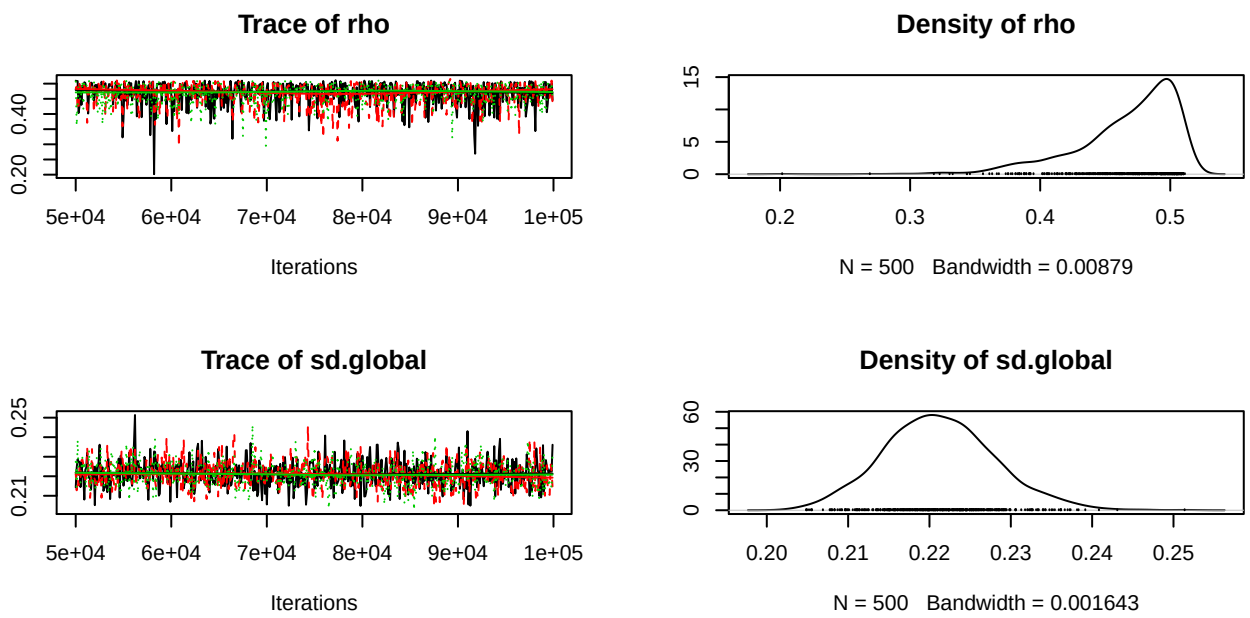

Trace of residual[81]
−0.16
−0.04
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[81]
0
5
15
−0.15
−0.10
−0.05
N = 500 Bandwidth = 0.00602
Trace of residual[82]
−0.40
−0.15
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[82]
0
4
8
−0.40
−0.30
−0.20
−0.10
N = 500 Bandwidth = 0.01073
Trace of residual[83]
−0.20
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[83]
0
6
12
−0.25
−0.20
−0.15
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.006961
Trace of residual[84]
−0.20
−0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[84]
0
4
8
−0.25
−0.20
−0.15
−0.10
−0.05
N = 500 Bandwidth = 0.00734

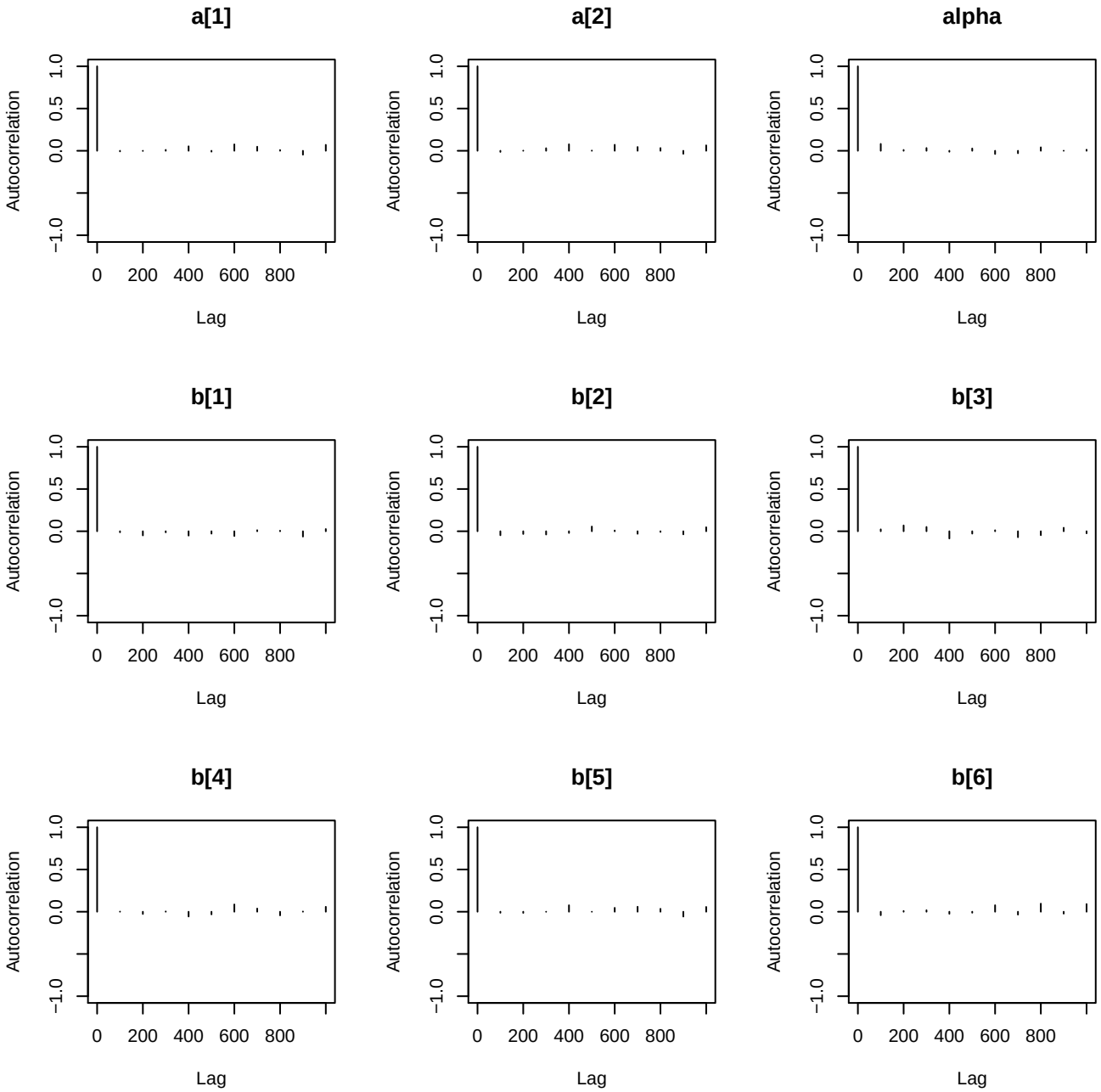

Trace of residual[85]
−0.70
−0.50
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[85]
0
4
8
−0.75
−0.70
−0.65
−0.60
−0.55
−0.50
−0.45
N = 500 Bandwidth = 0.01081
Trace of residual[86]
−0.25
−0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[86]
0
4
8
−0.30
−0.25
−0.20
−0.15
−0.10
−0.05
N = 500 Bandwidth = 0.009979
Trace of residual[87]
0.40
0.55
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[87]
0
4
8
0.35
0.40
0.45
0.50
0.55
0.60
N = 500 Bandwidth = 0.008726
Trace of residual[88]
0.50
0.65
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[88]
0
4
8
0.45
0.50
0.55
0.60
0.65
0.70
N = 500 Bandwidth = 0.008511

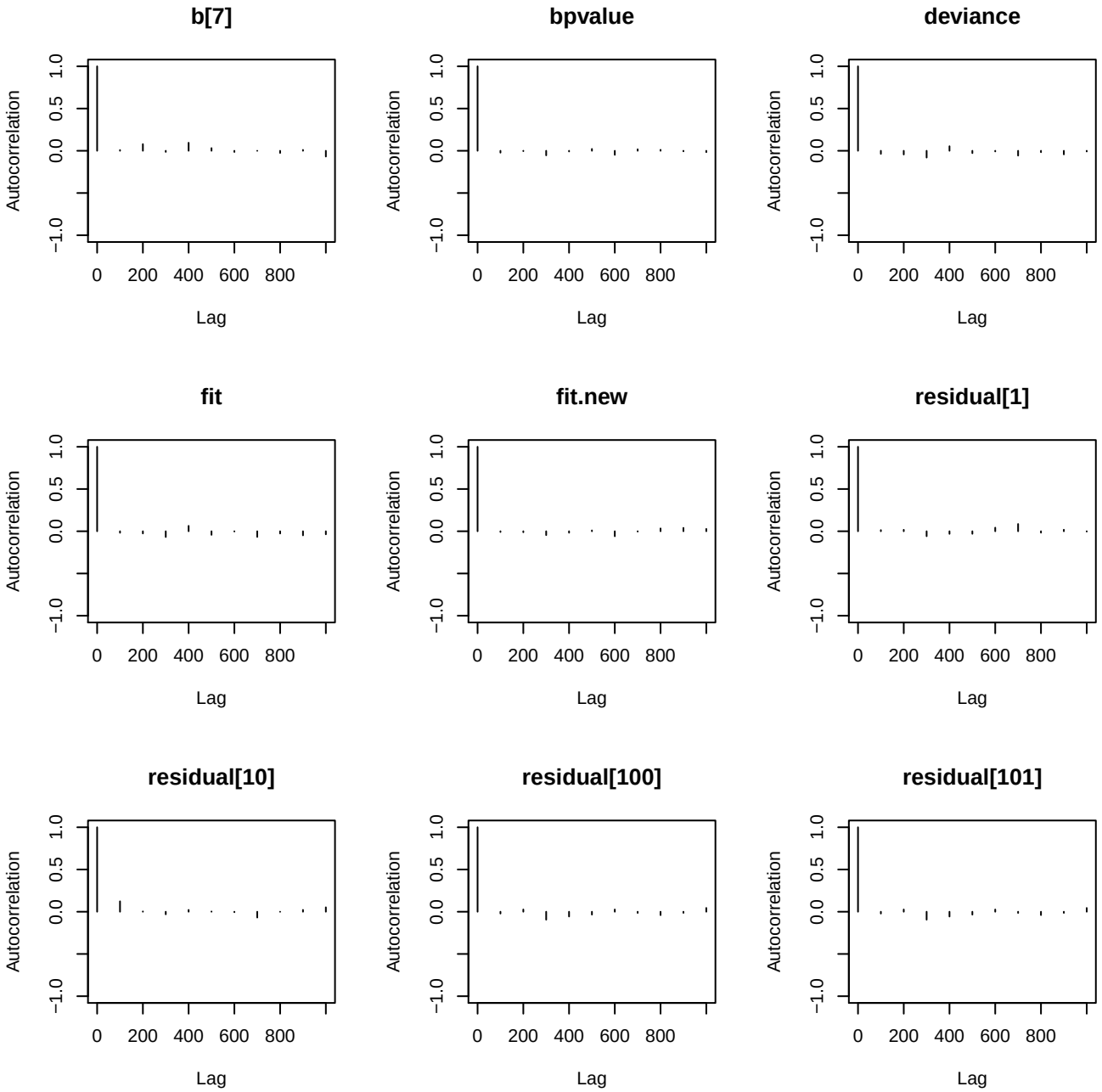

Trace of residual[89]
0.25
0.40
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[89]
0
4
8
0.20
0.25
0.30
0.35
0.40
0.45
N = 500 Bandwidth = 0.008985
Trace of residual[9]
0.10
0.25
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[9]
0
4
8
0.10
0.15
0.20
0.25
N = 500 Bandwidth = 0.007075
Trace of residual[90]
0.05
0.20
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[90]
0
4
8
0.00
0.05
0.10
0.15
0.20
0.25
0.30
N = 500 Bandwidth = 0.009355
Trace of residual[91]
0.25
0.40
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[91]
0
4
8
0.25
0.30
0.35
0.40
0.45
N = 500 Bandwidth = 0.008959

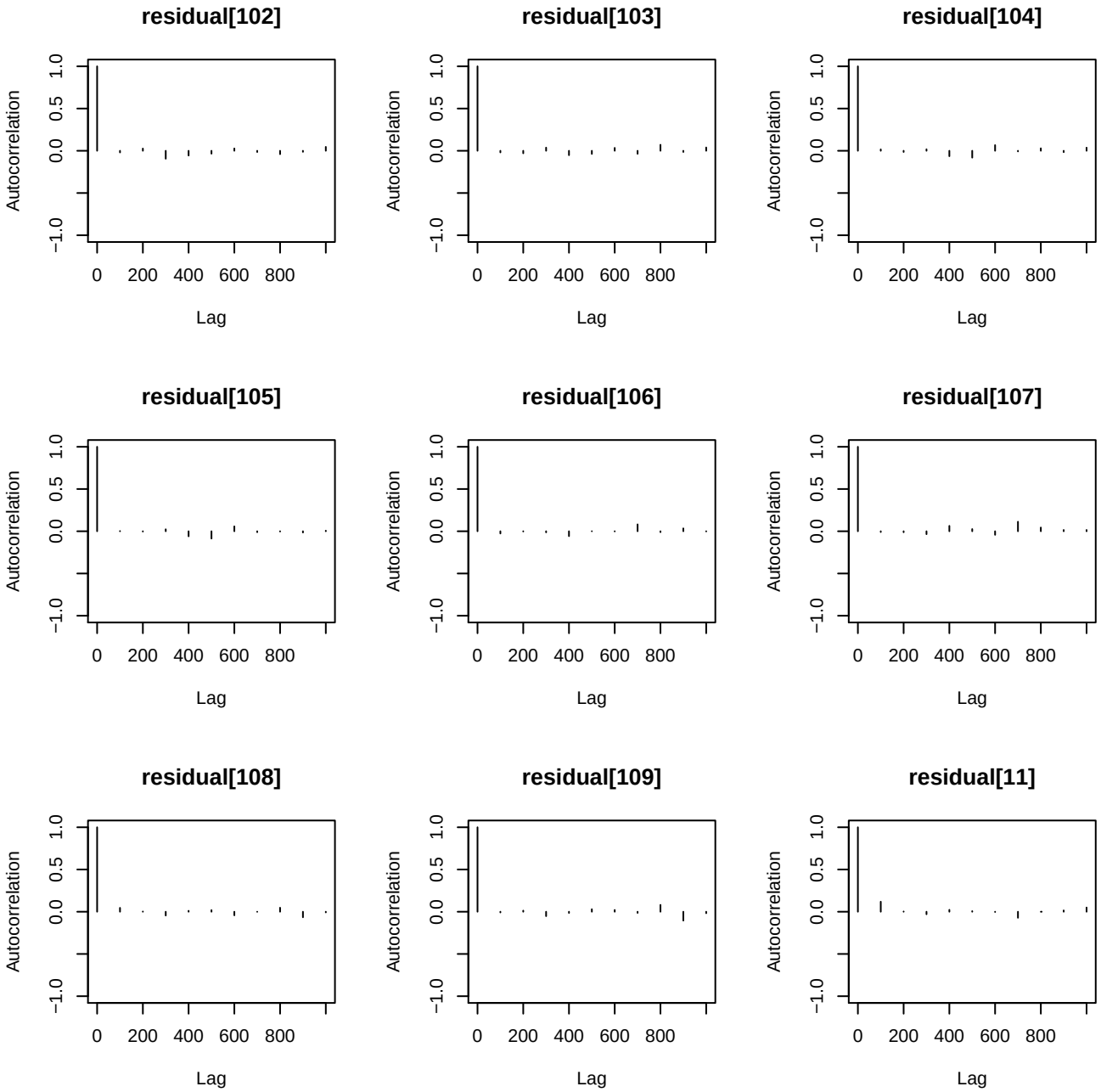

Trace of residual[92]
−0.30
−0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[92]
0
4
8
−0.35
−0.30
−0.25
−0.20
−0.15
−0.10
−0.05
N = 500 Bandwidth = 0.01006
Trace of residual[93]
−0.20
−0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[93]
0
6
12
−0.20
−0.15
−0.10
−0.05
N = 500 Bandwidth = 0.007026
Trace of residual[94]
0.00
0.15
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[94]
0
4
8
−0.05
0.00
0.05
0.10
0.15
N = 500 Bandwidth = 0.007497
Trace of residual[95]
0.10
0.18
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[95]
0
10
0.08
0.10
0.12
0.14
0.16
0.18
0.20
0.22
N = 500 Bandwidth = 0.003966

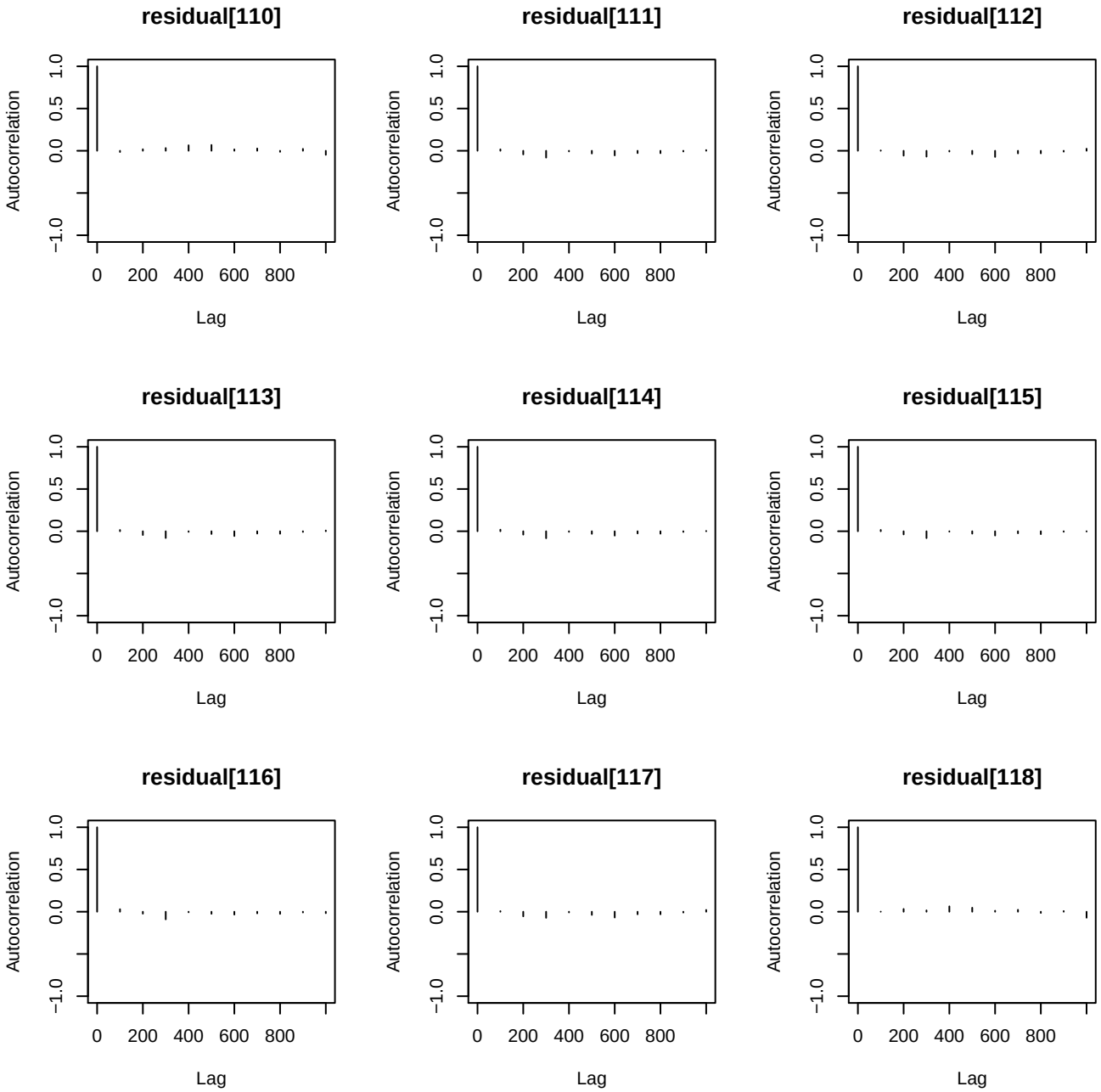

Trace of residual[96]
Iterations
Density of residual[96]
N = 500 Bandwidth = 0.004221
Trace of residual[97]
Iterations
Density of residual[97]
N = 500 Bandwidth = 0.00425
Trace of residual[98]
Iterations
Density of residual[98]
N = 500 Bandwidth = 0.004209
Trace of residual[99]
Iterations
Density of residual[99]
N = 500 Bandwidth = 0.004193

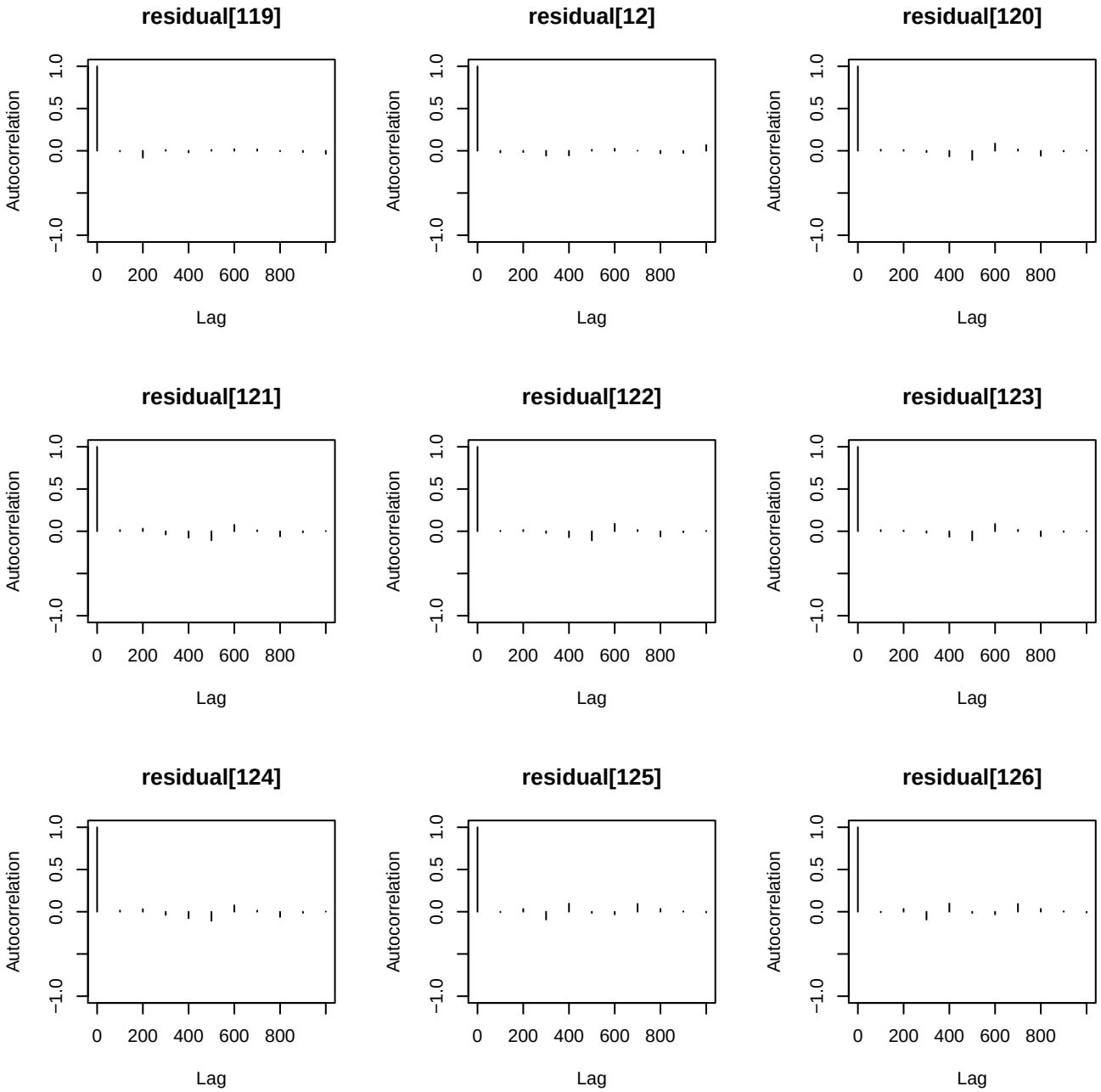

Trace of rho
0.20
0.40
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of rho
0
5
15
0.2
0.3
0.4
0.5
N = 500 Bandwidth = 0.00879
Trace of sd.global
0.21
0.25
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of sd.global
0
30
60
0.20
0.21
0.22
0.23
0.24
0.25
N = 500 Bandwidth = 0.001643


a[1]
a[2]
alpha
b[1]
b[2]
b[3]
b[4]
b[5]
b[6]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800


b[7]
bpvalue
deviance
fit
fit.new
residual[1]
residual[10]
residual[100]
residual[101]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800


residual[102]
residual[103]
residual[104]
residual[105]
residual[106]
residual[107]
residual[108]
residual[109]
residual[11]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800


residual[110]
residual[111]
residual[112]
residual[113]
residual[114]
residual[115]
residual[116]
residual[117]
residual[118]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800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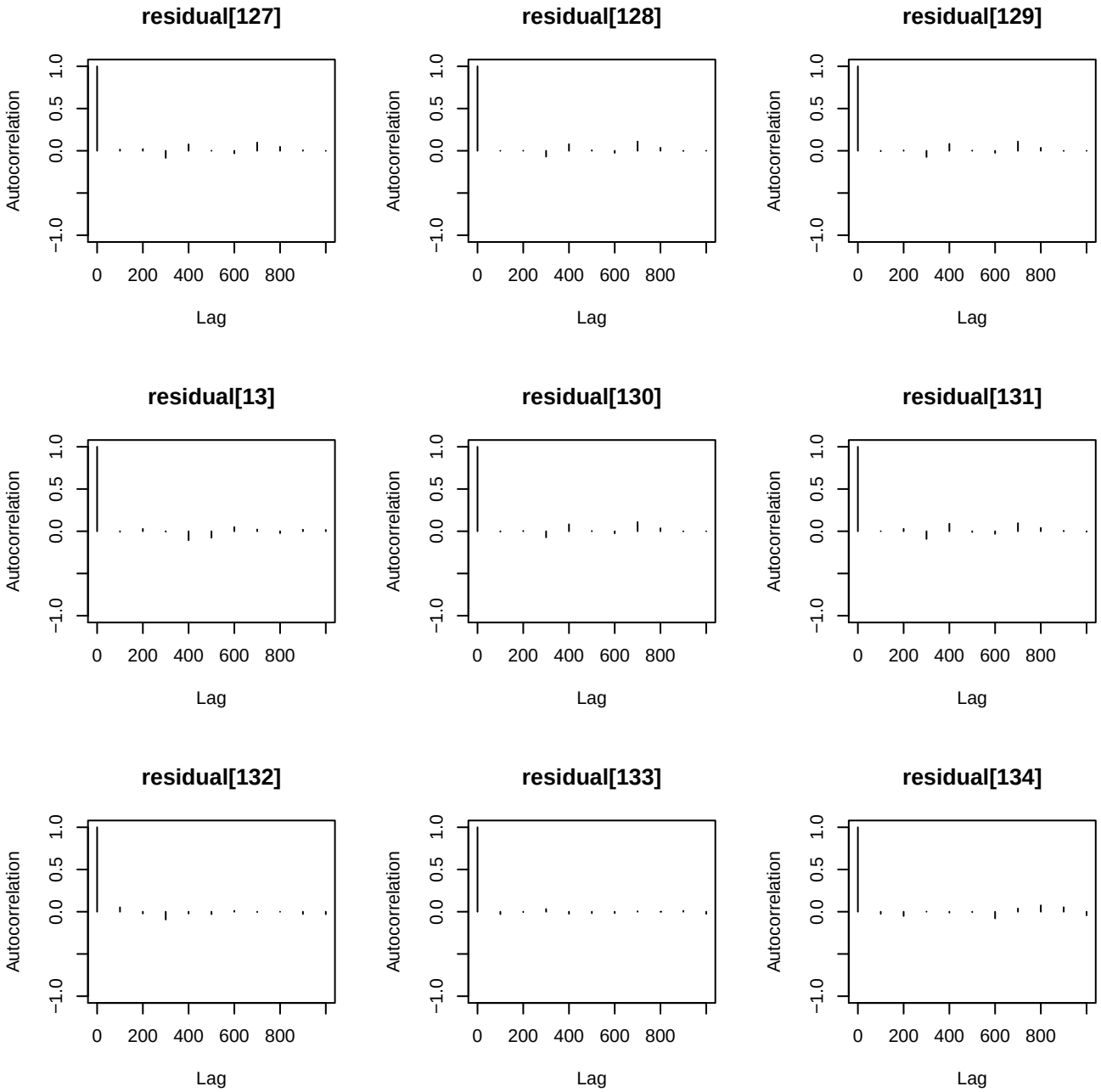
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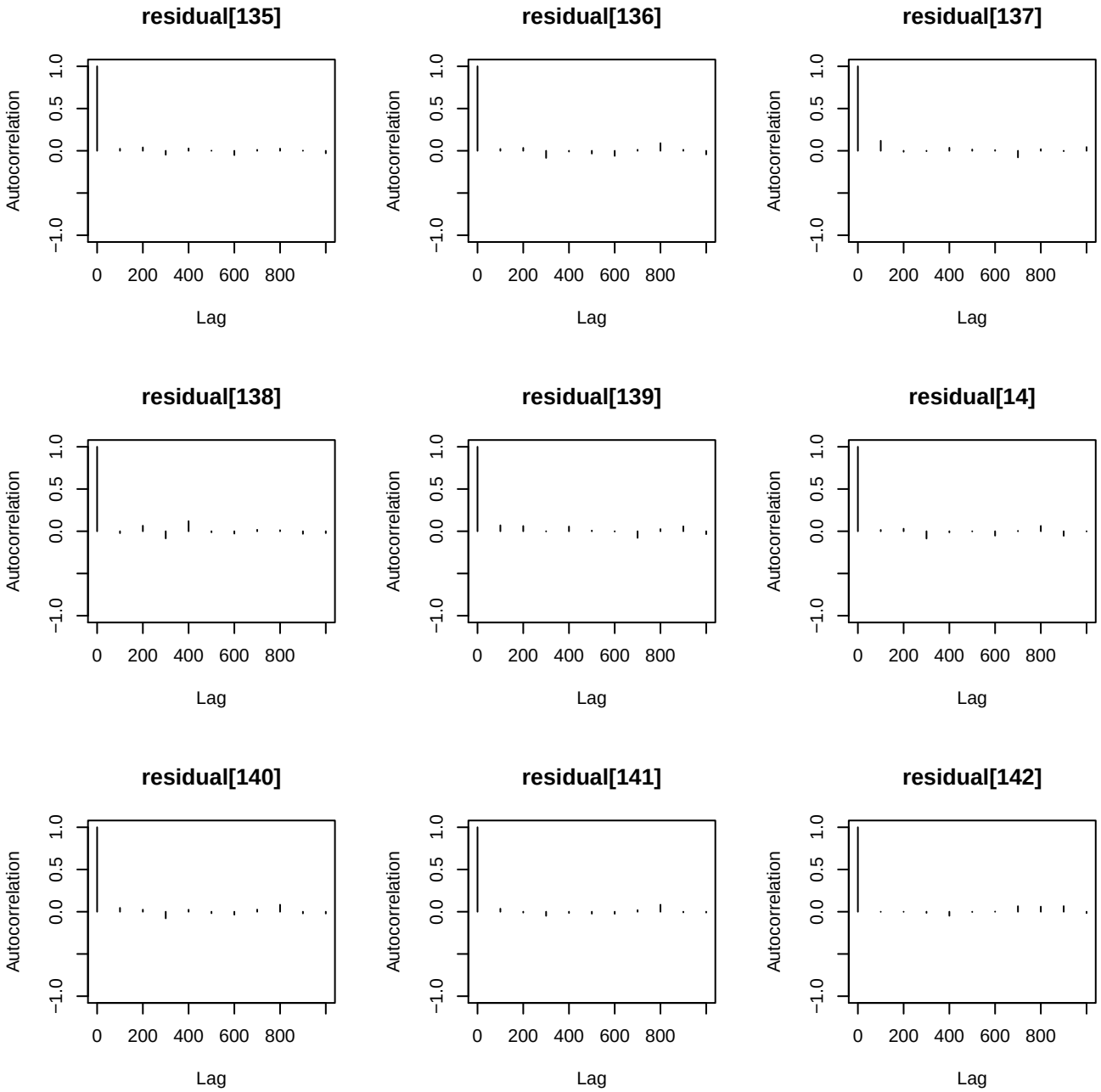
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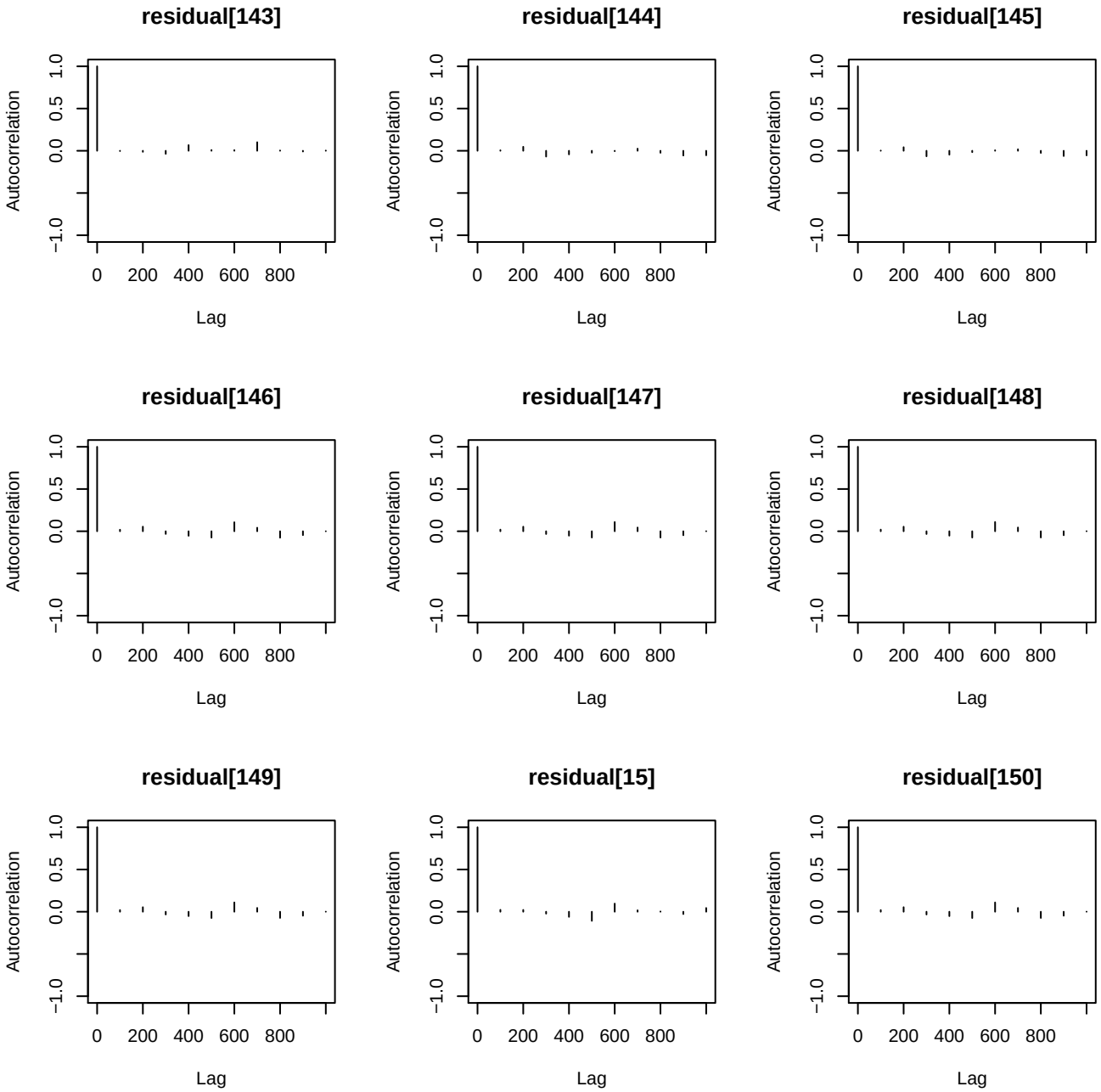
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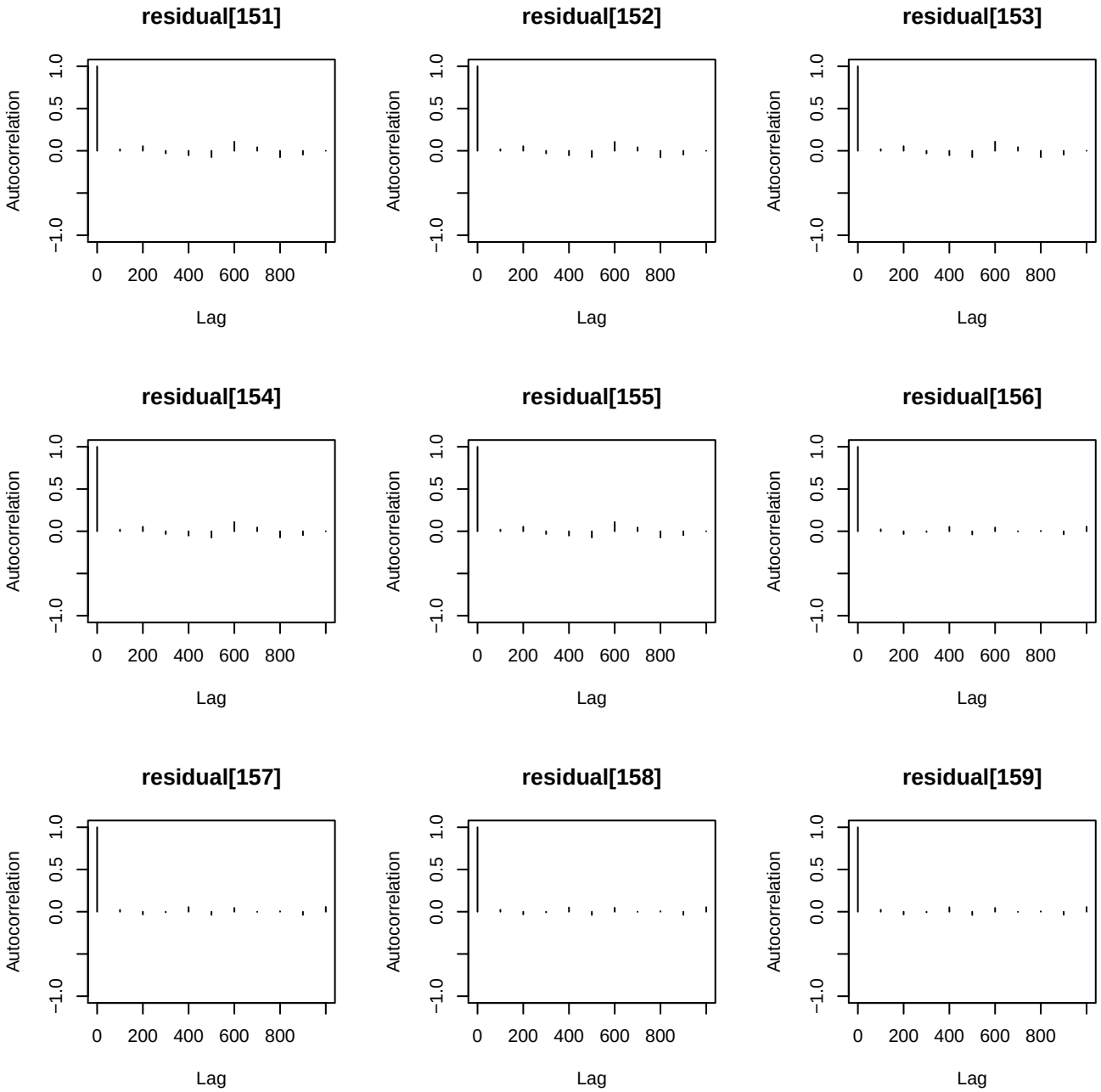
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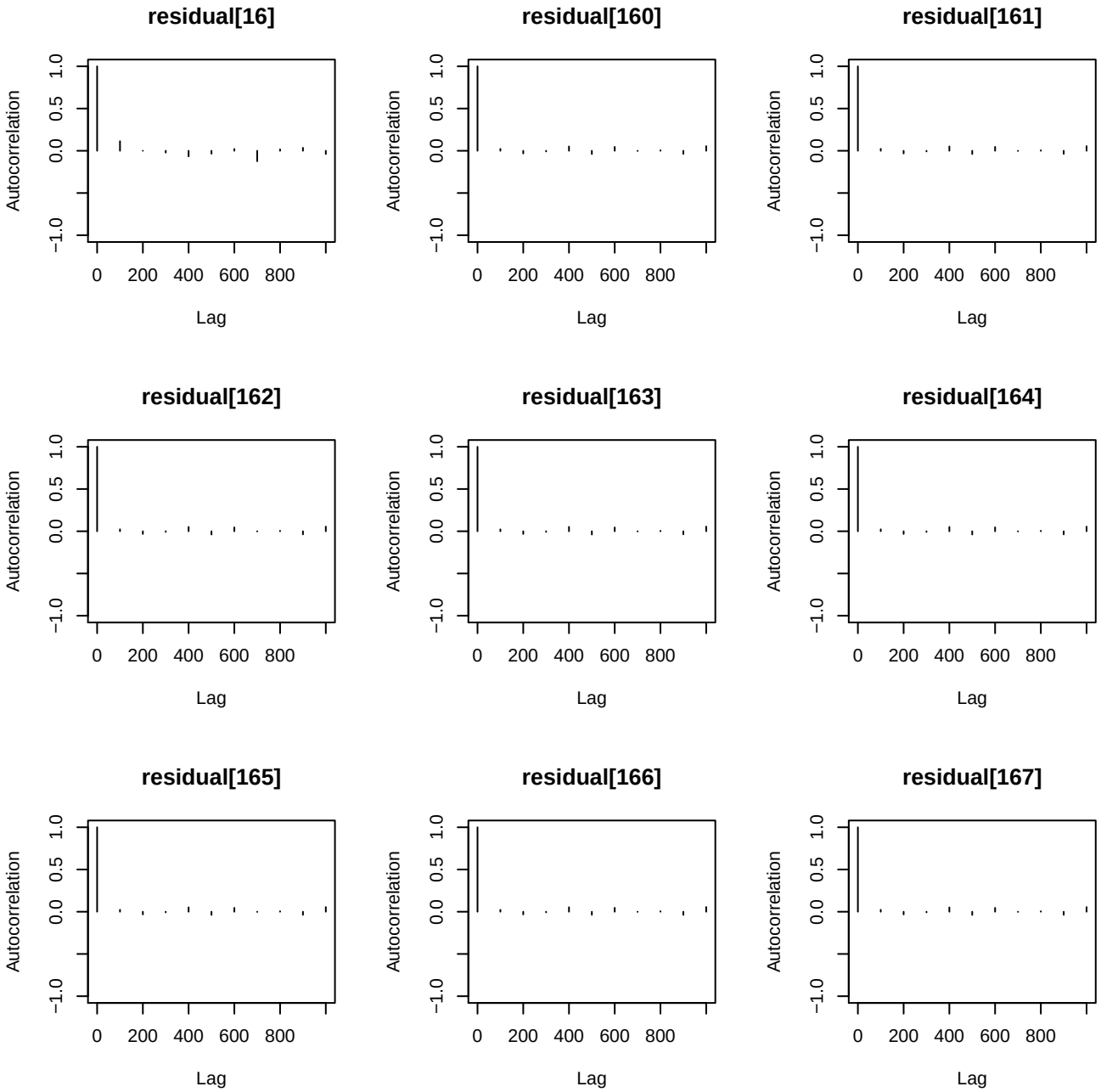
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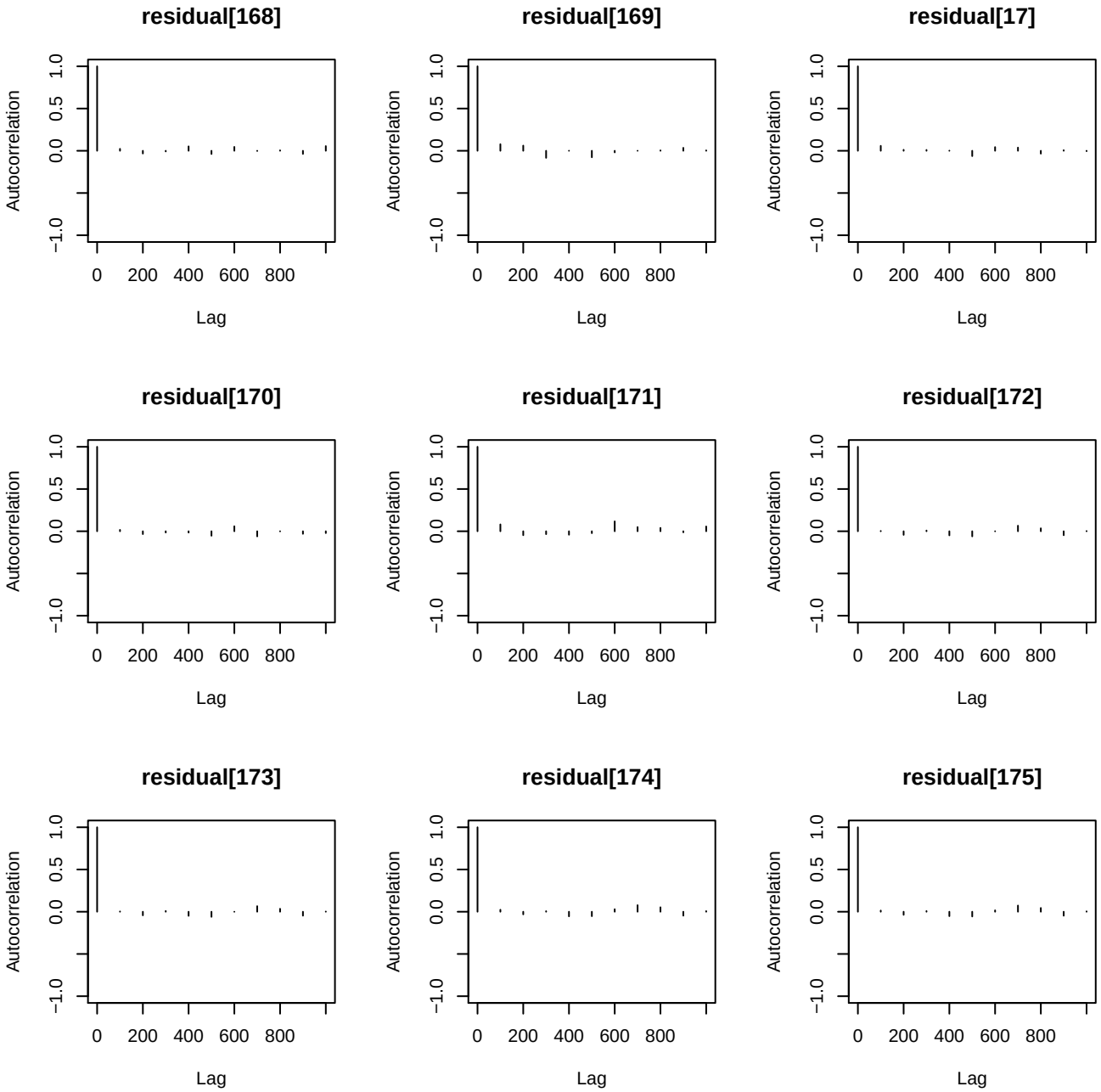
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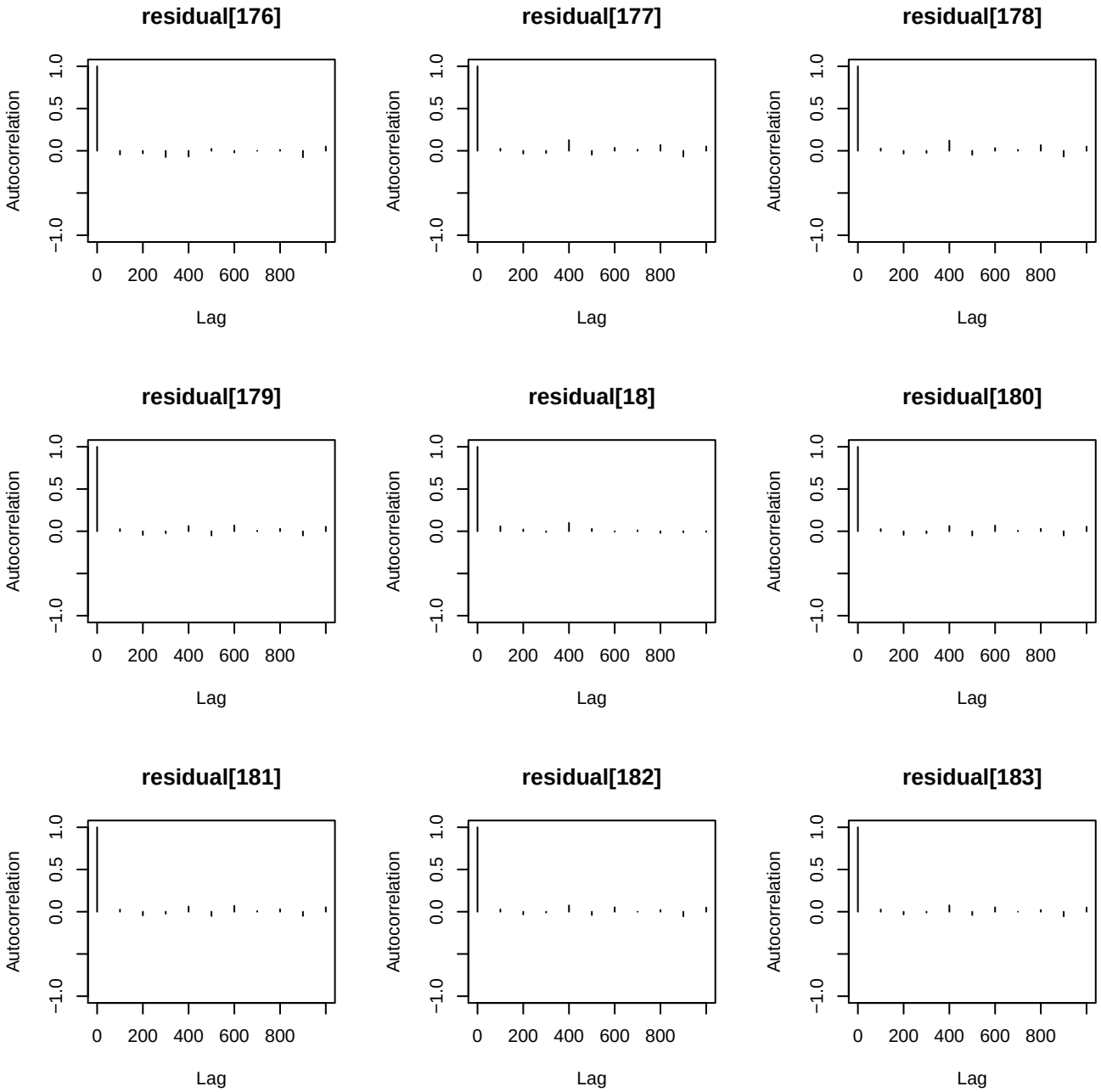
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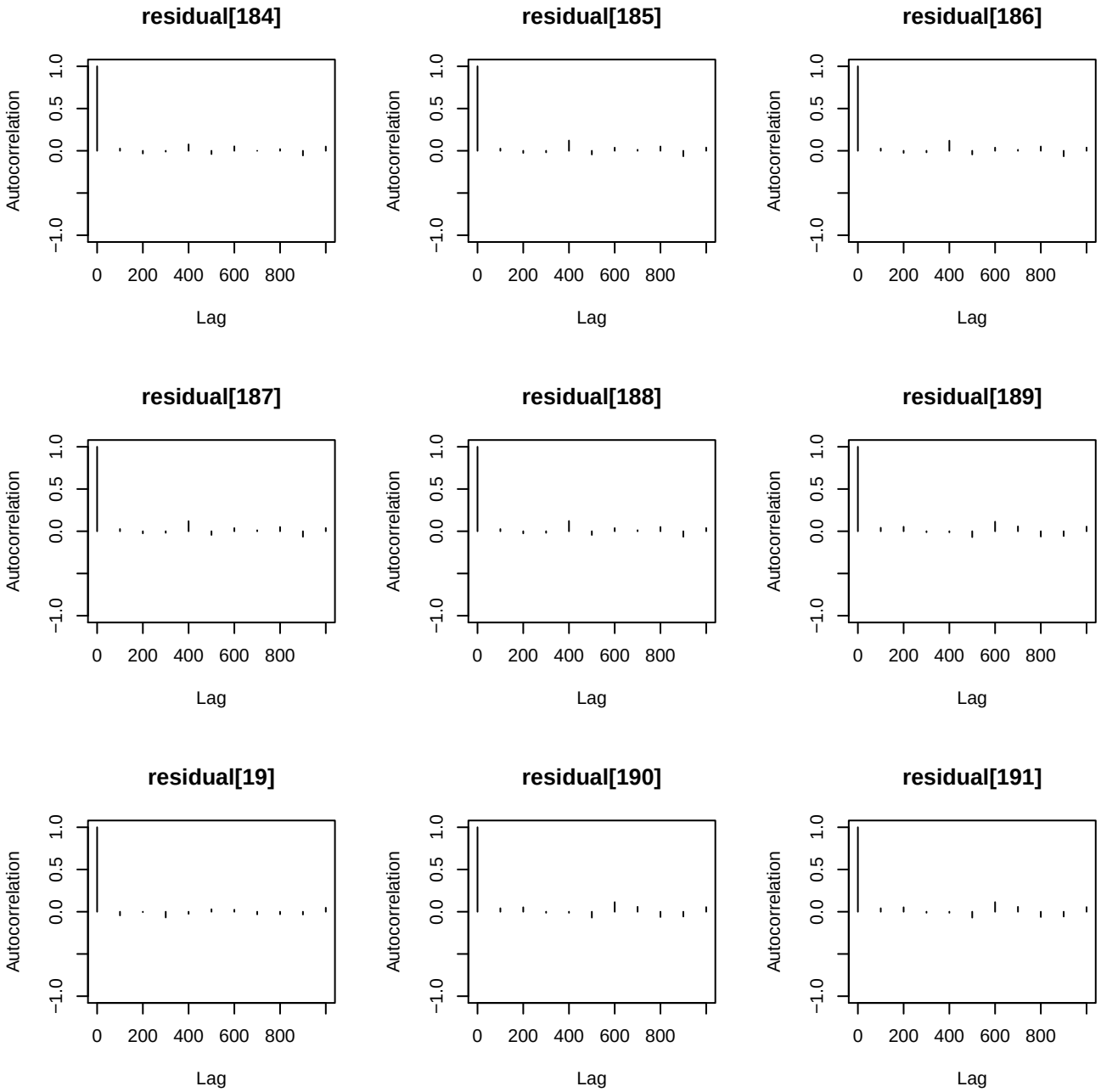
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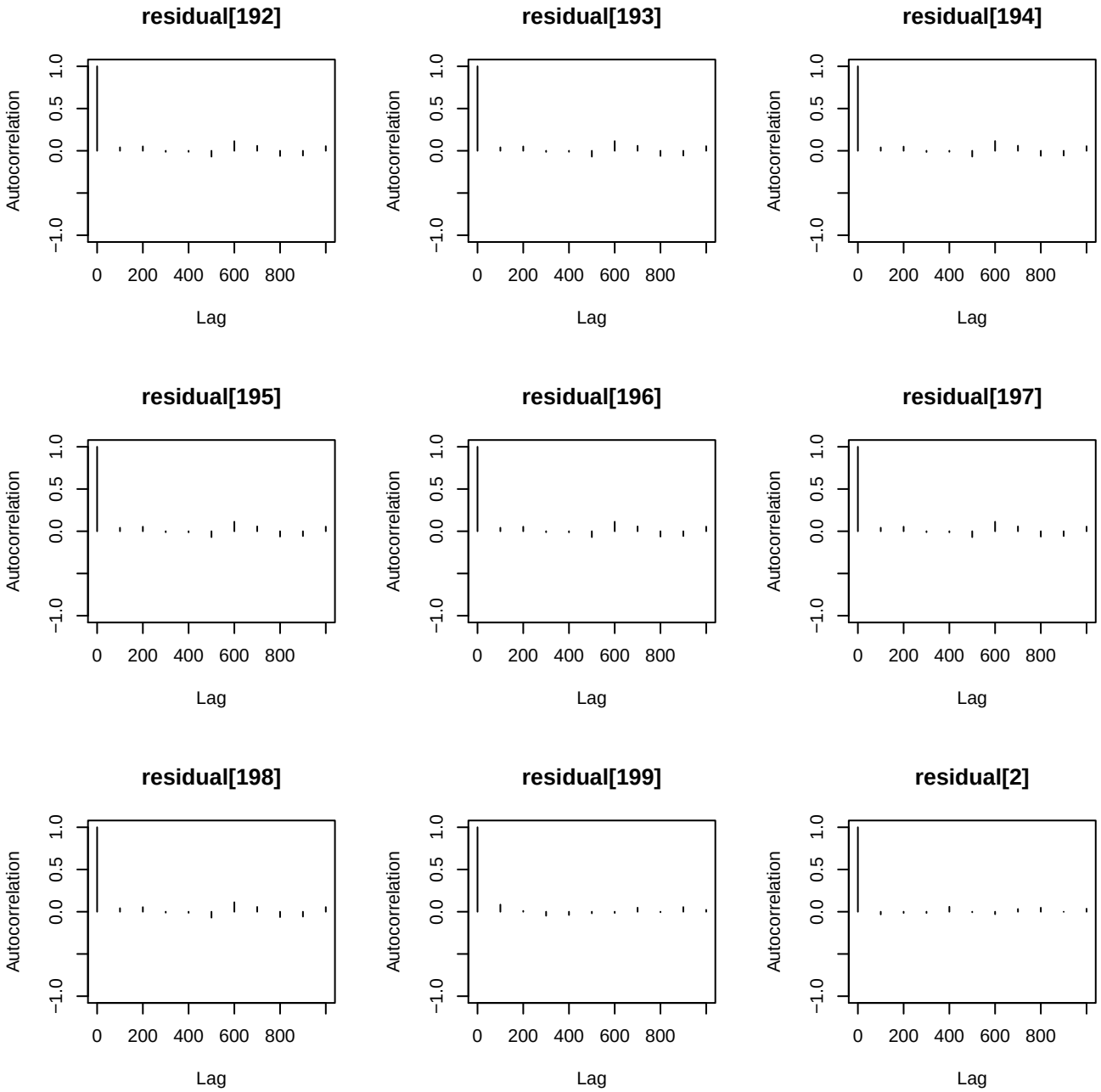
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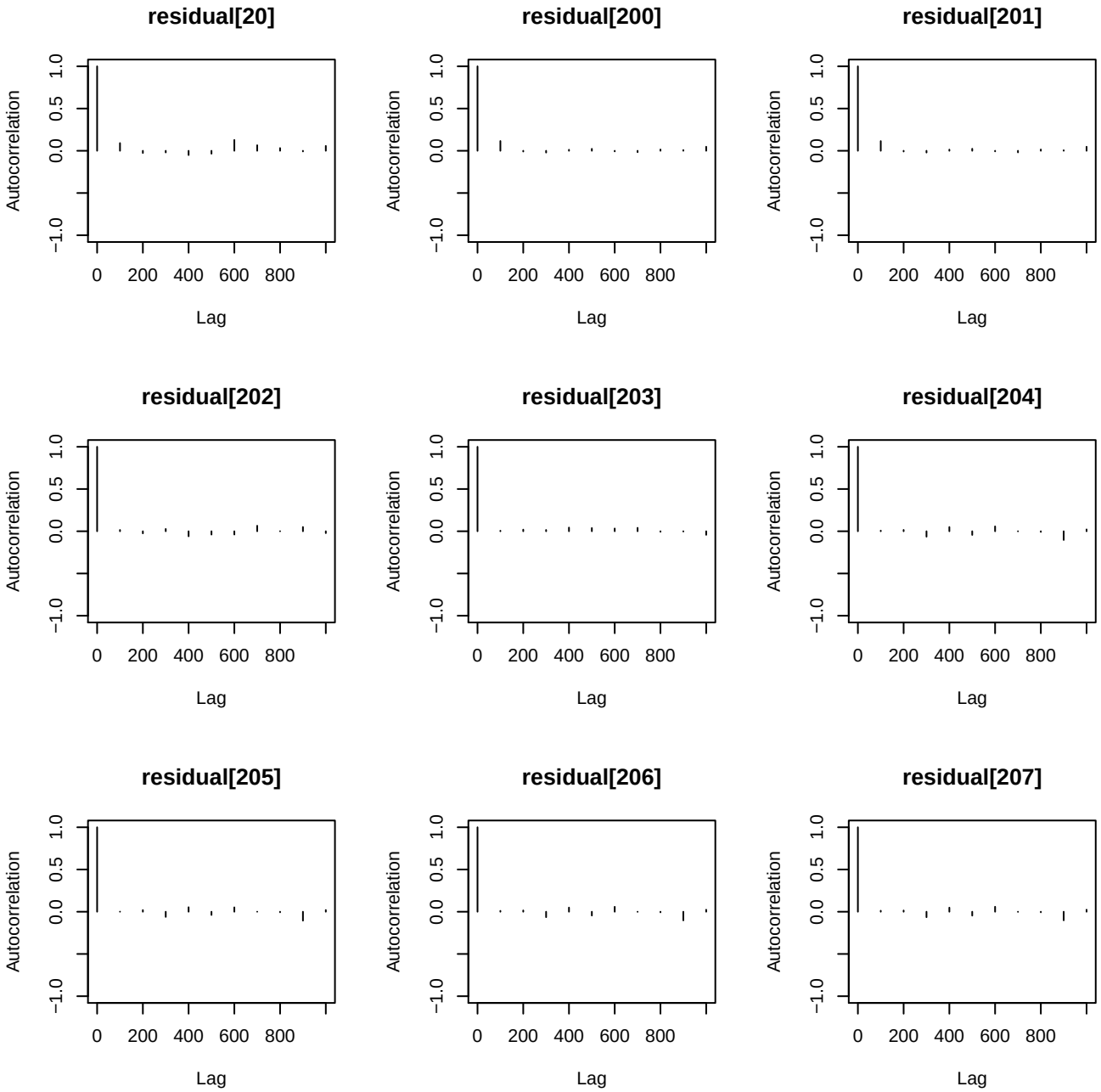
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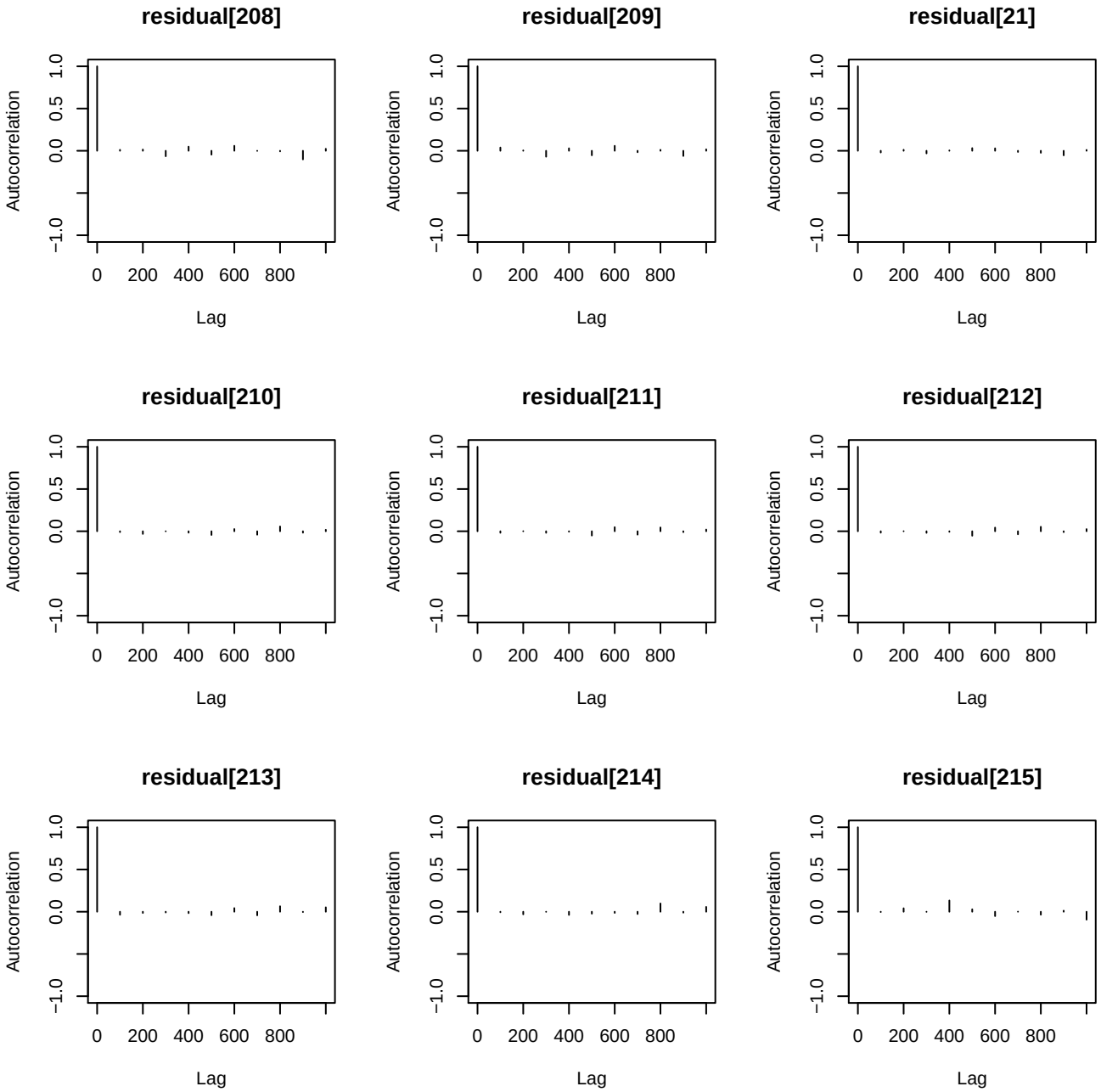
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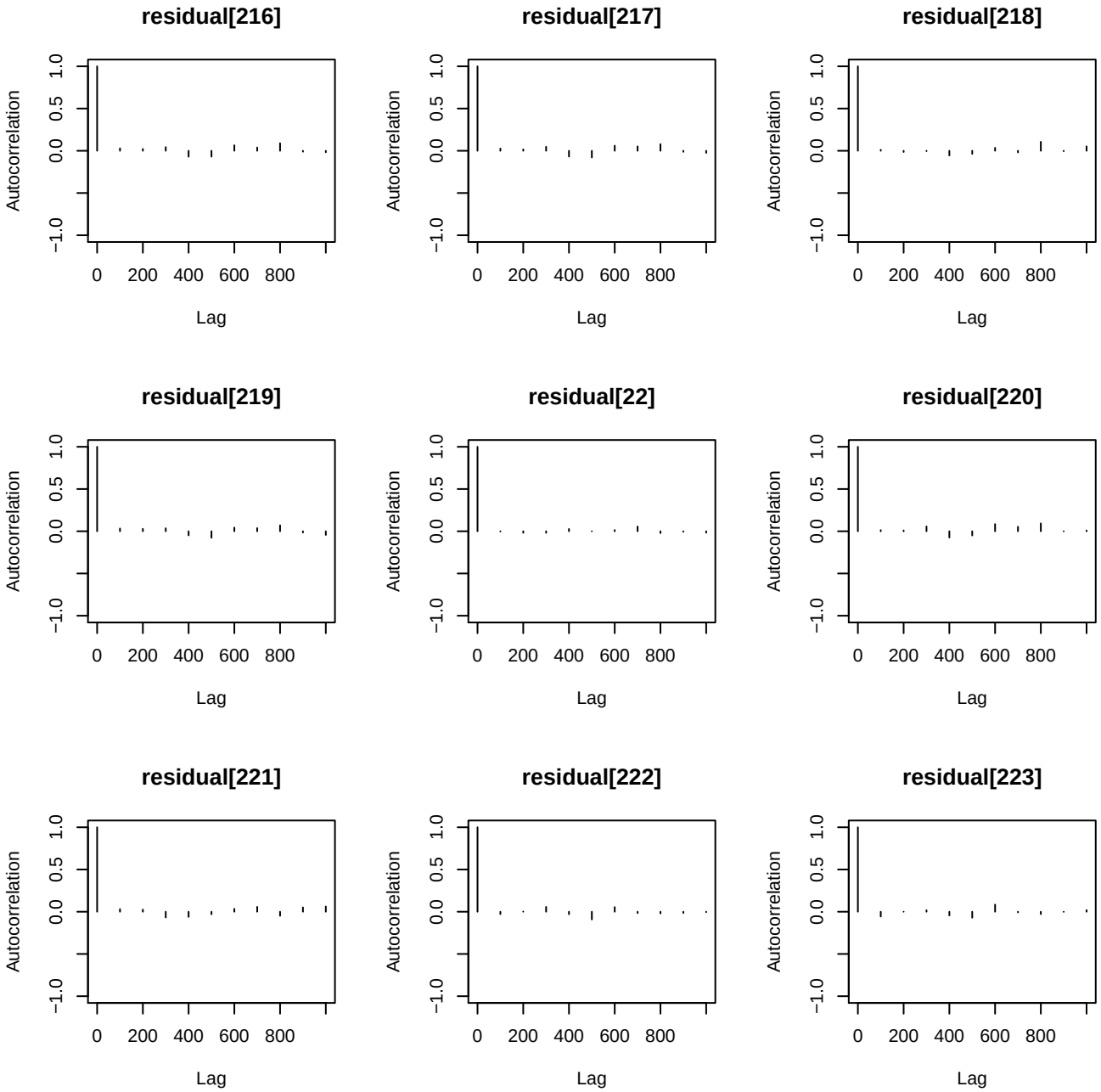
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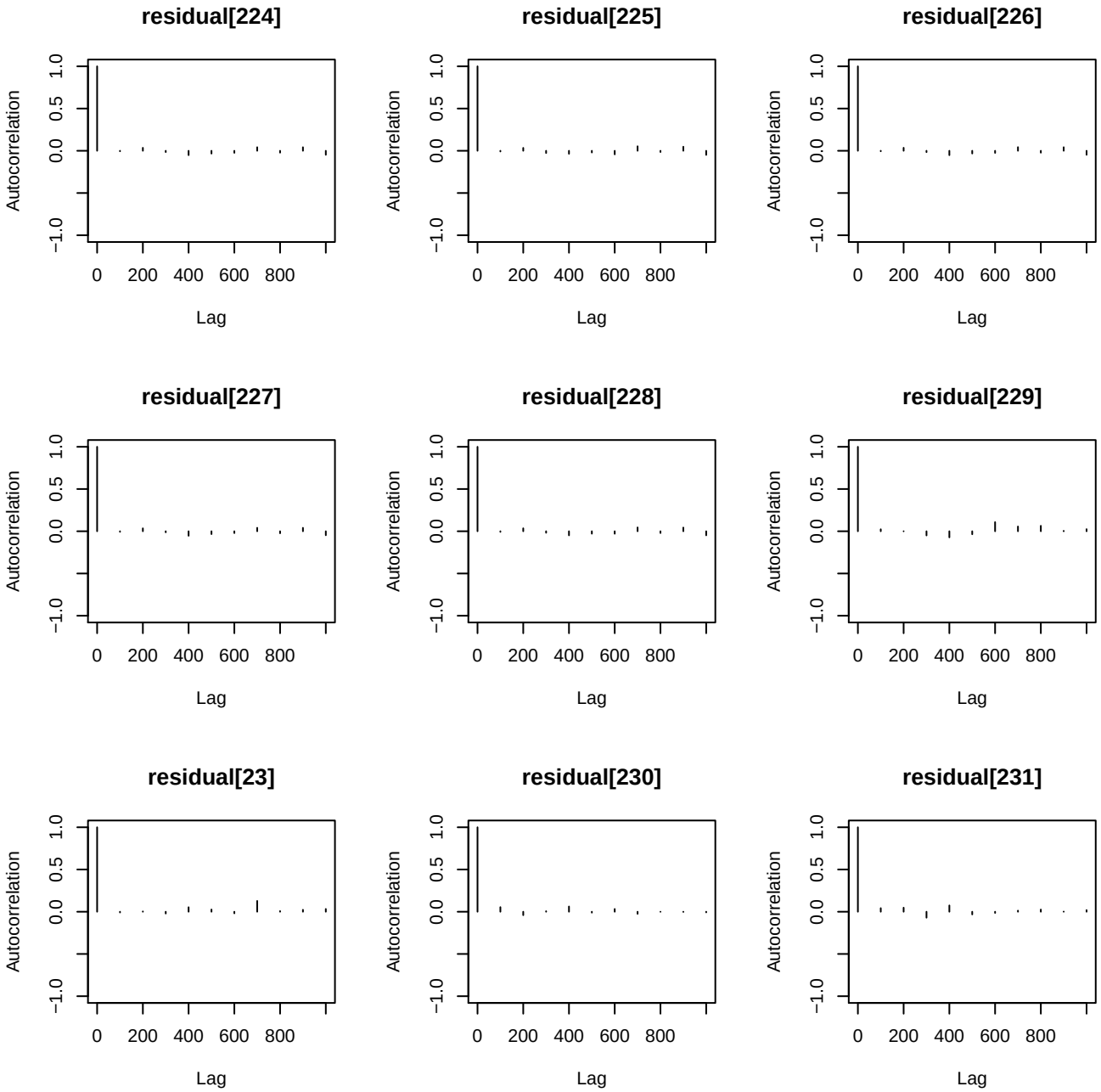
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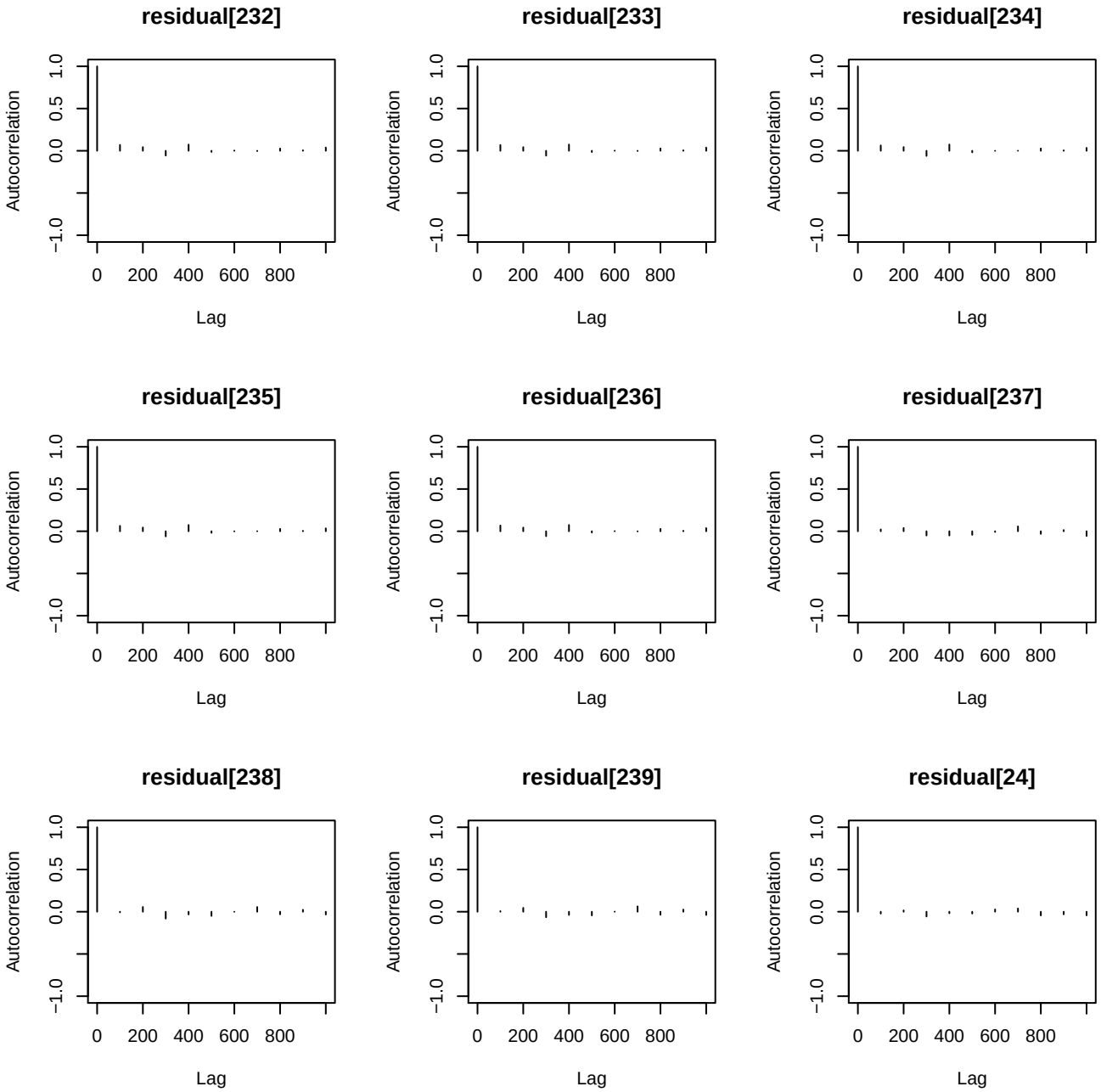
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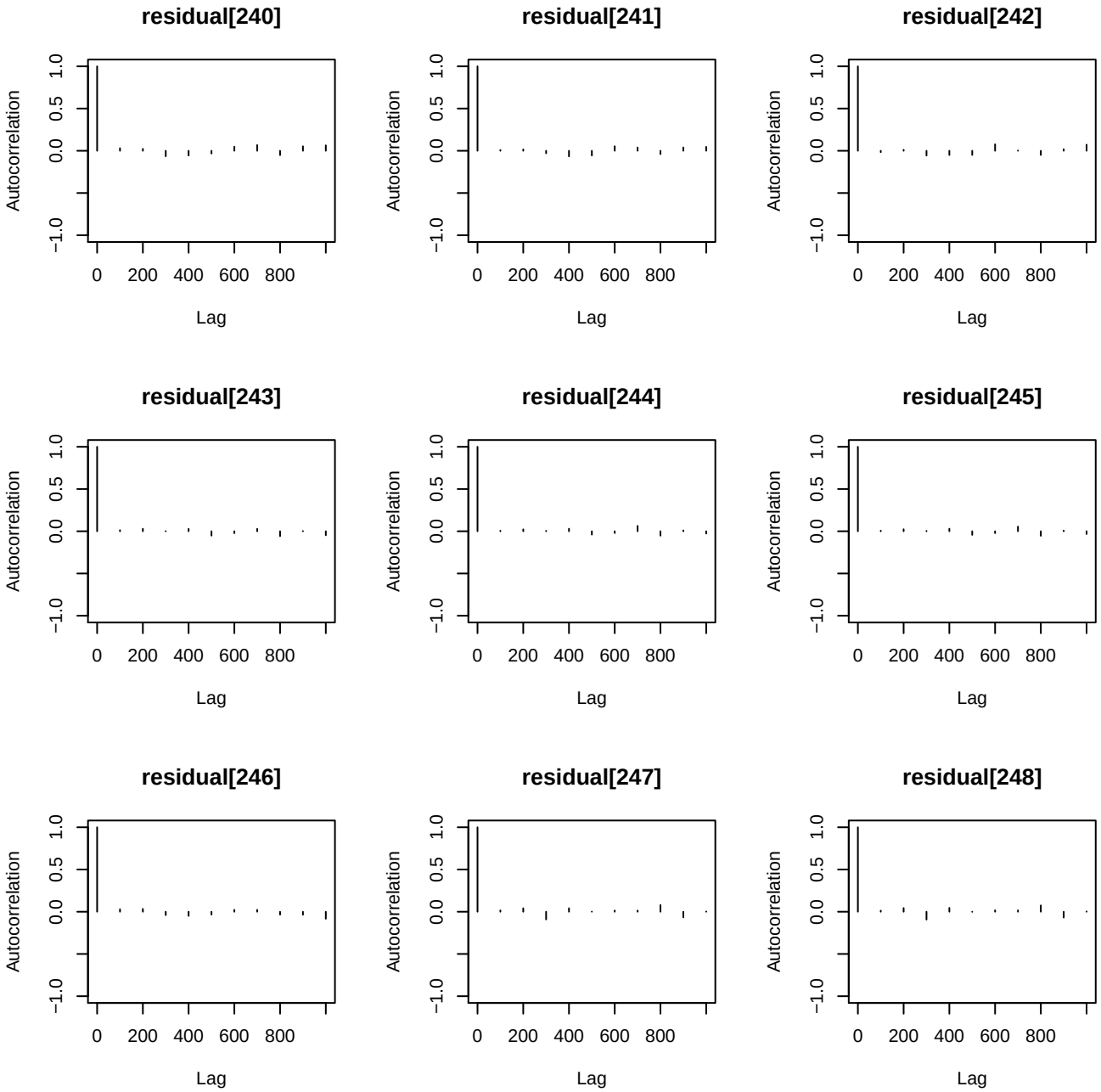
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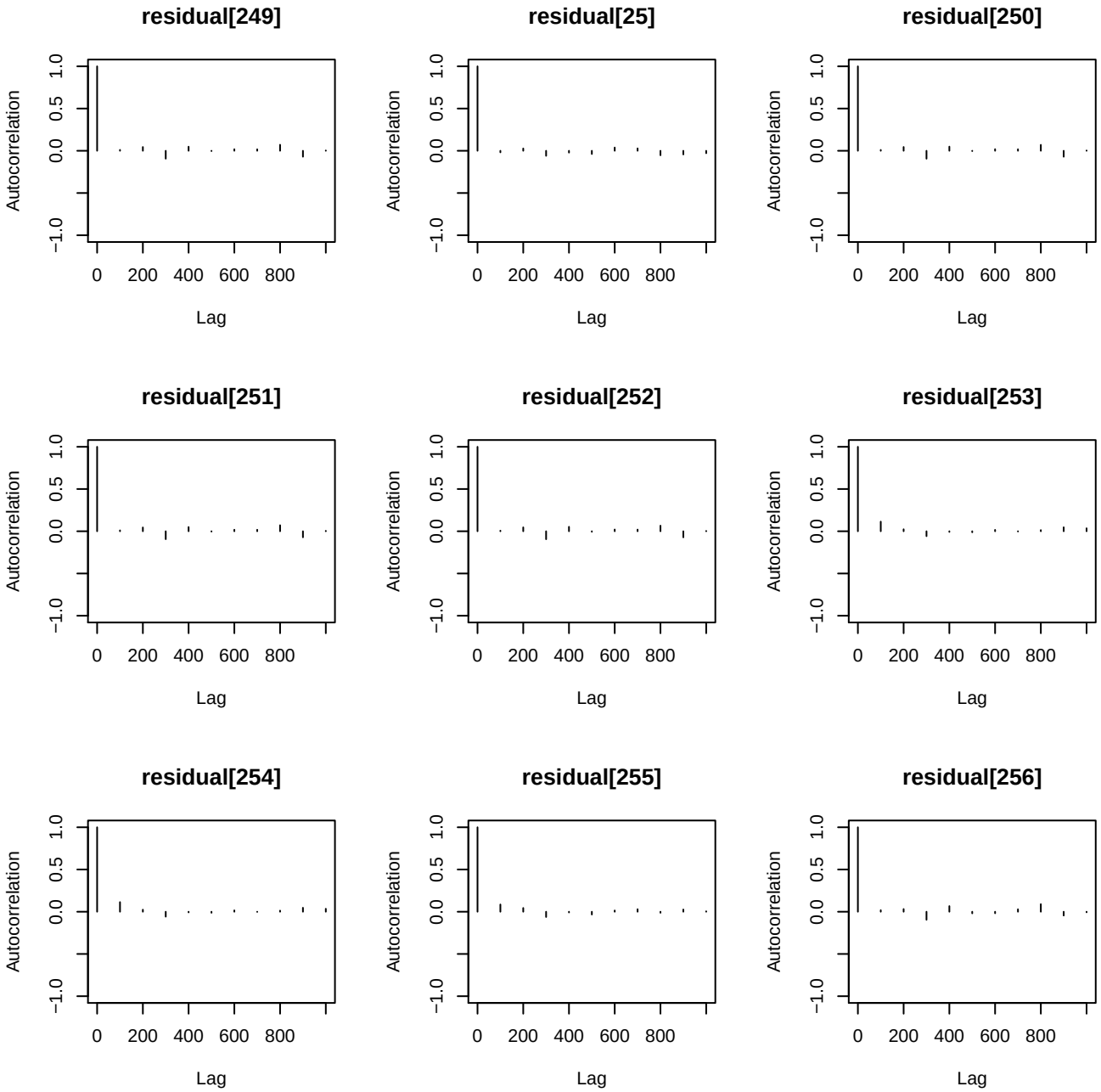
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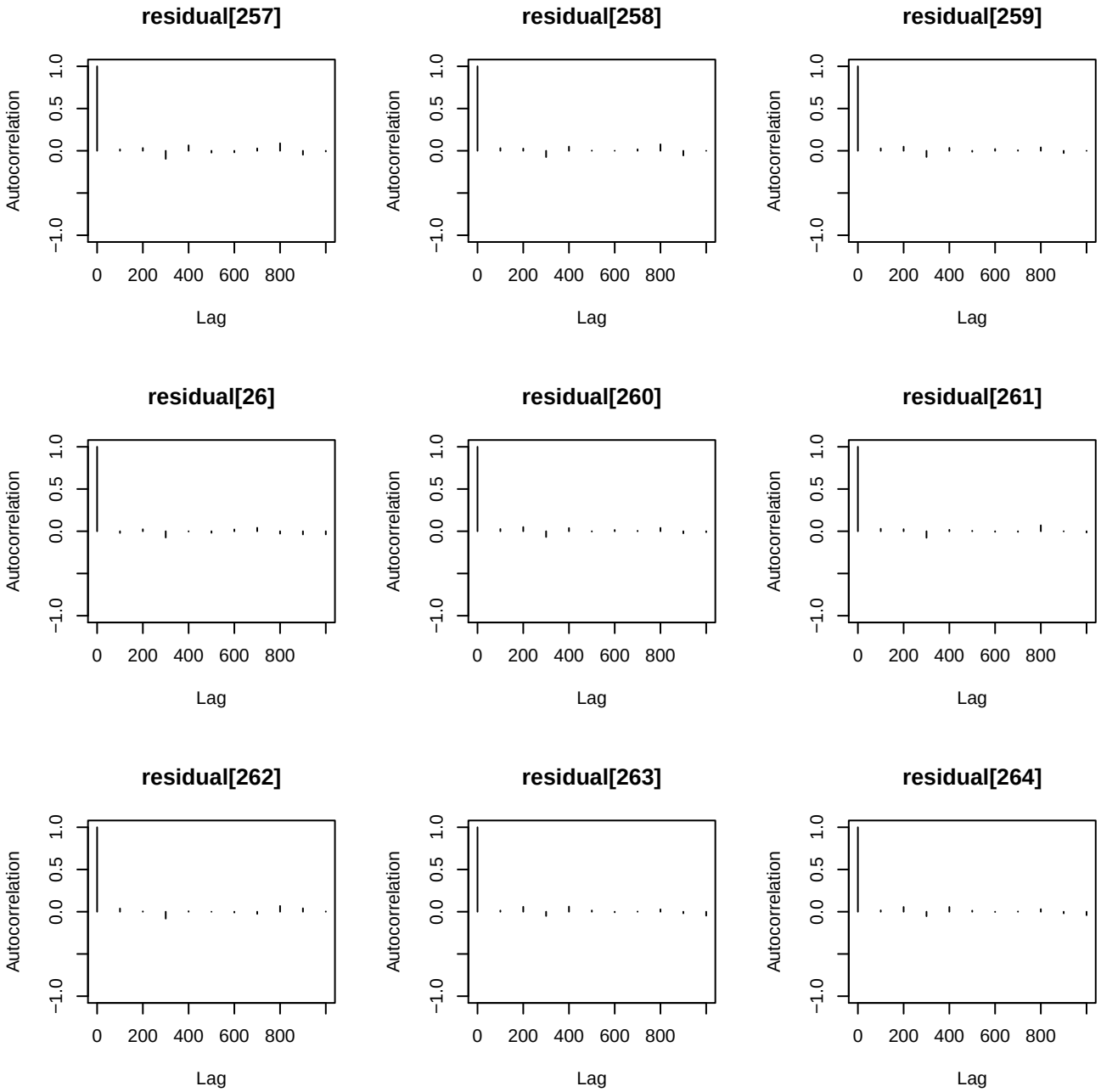
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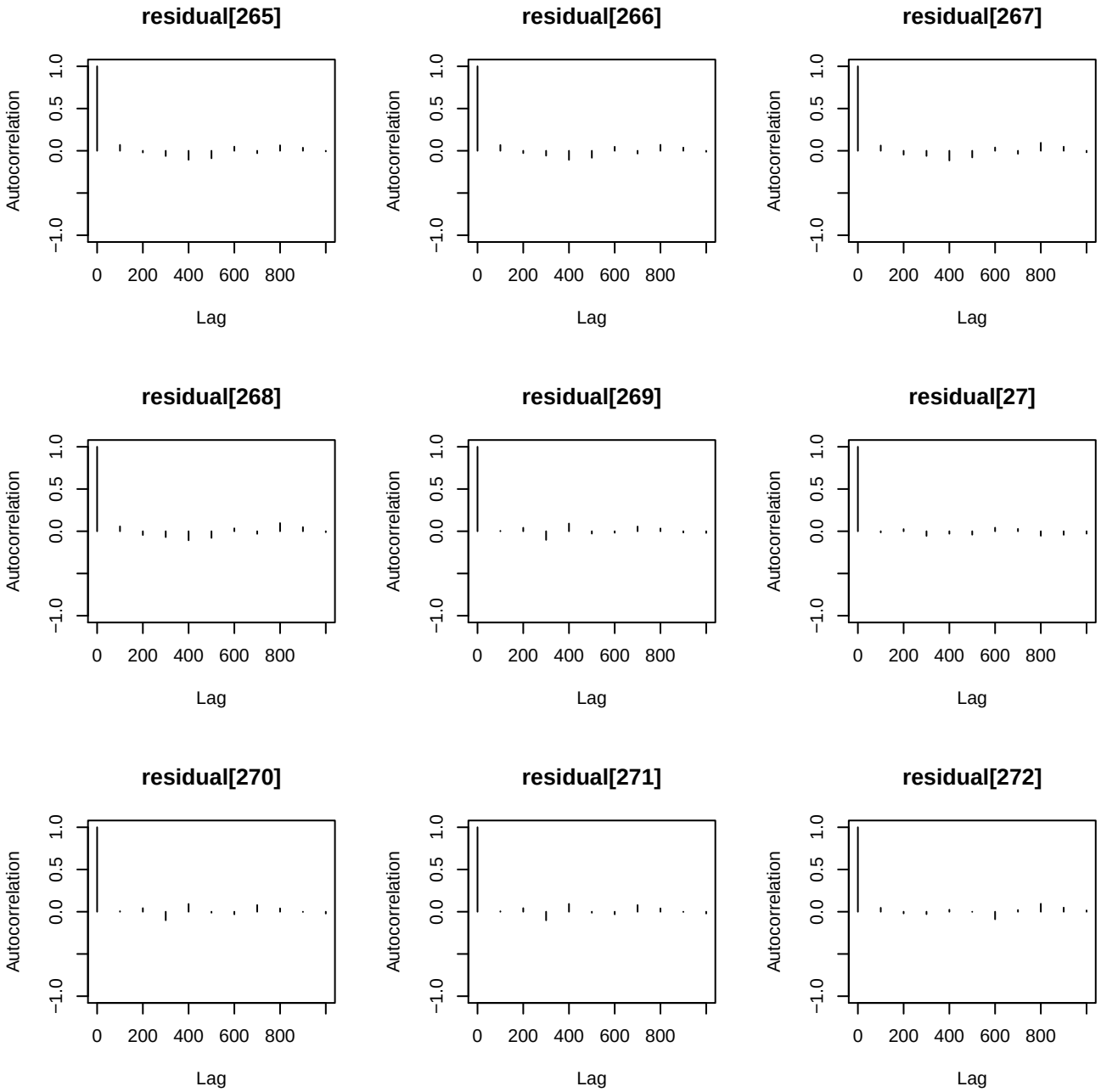
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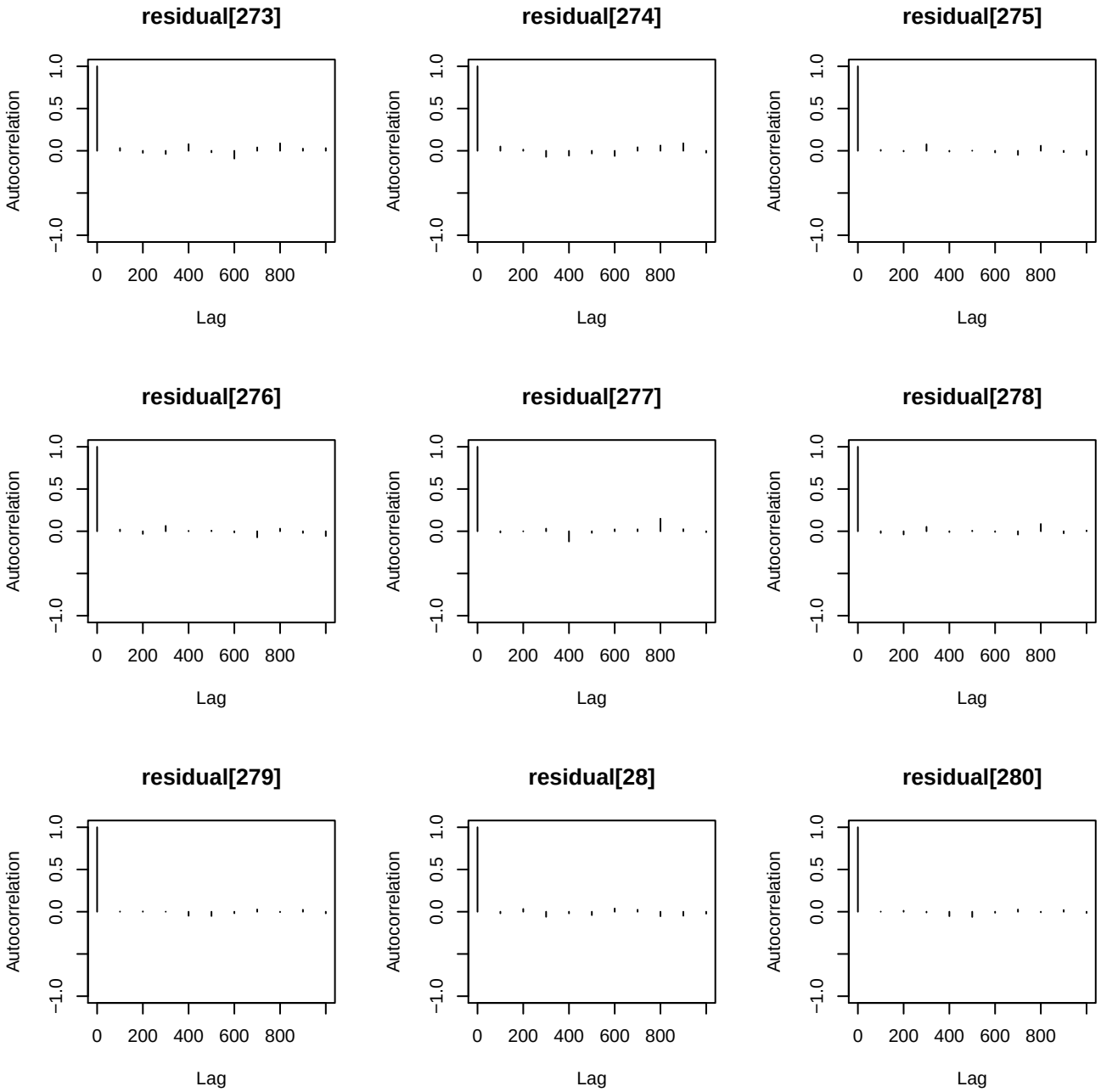
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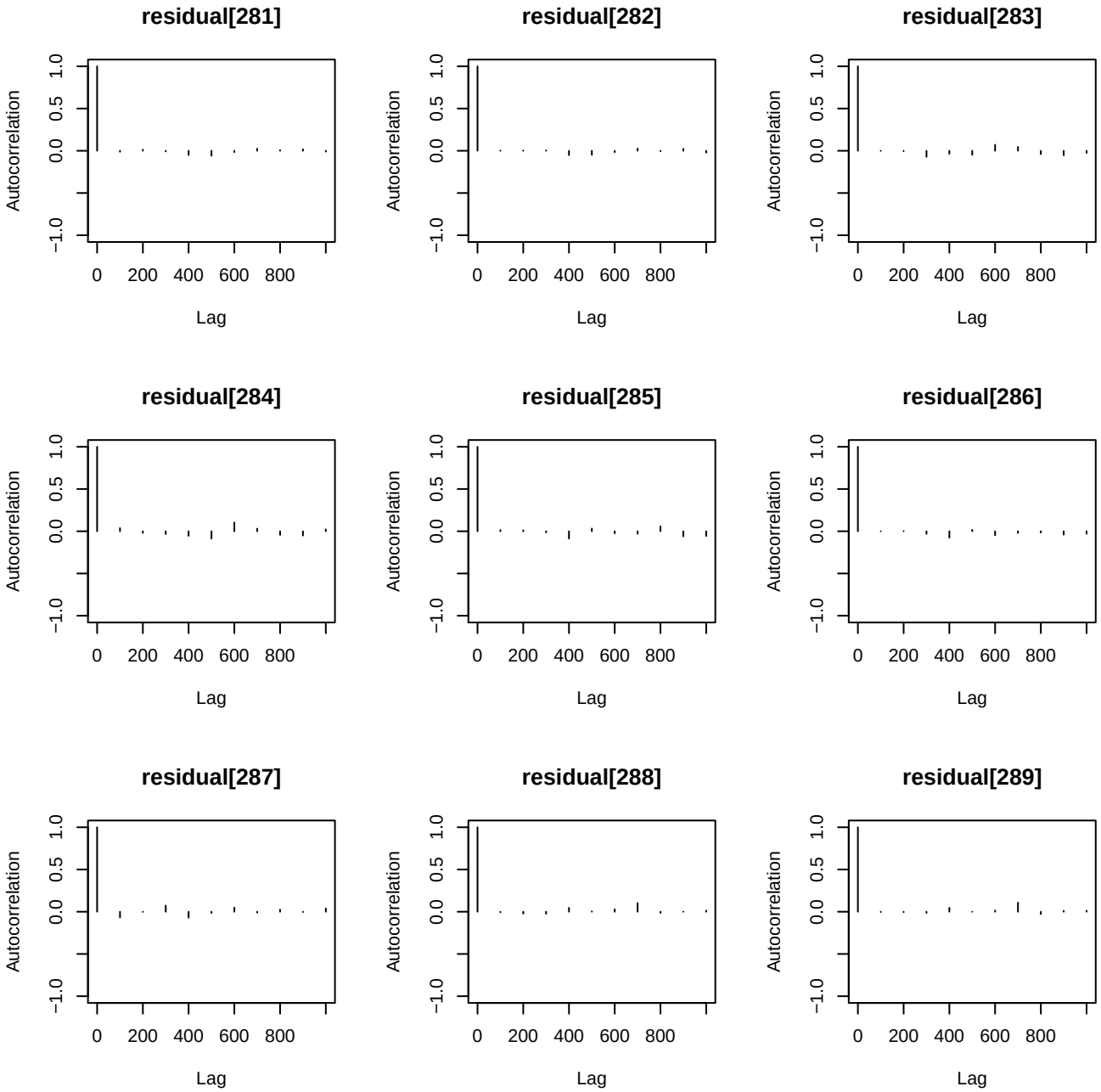
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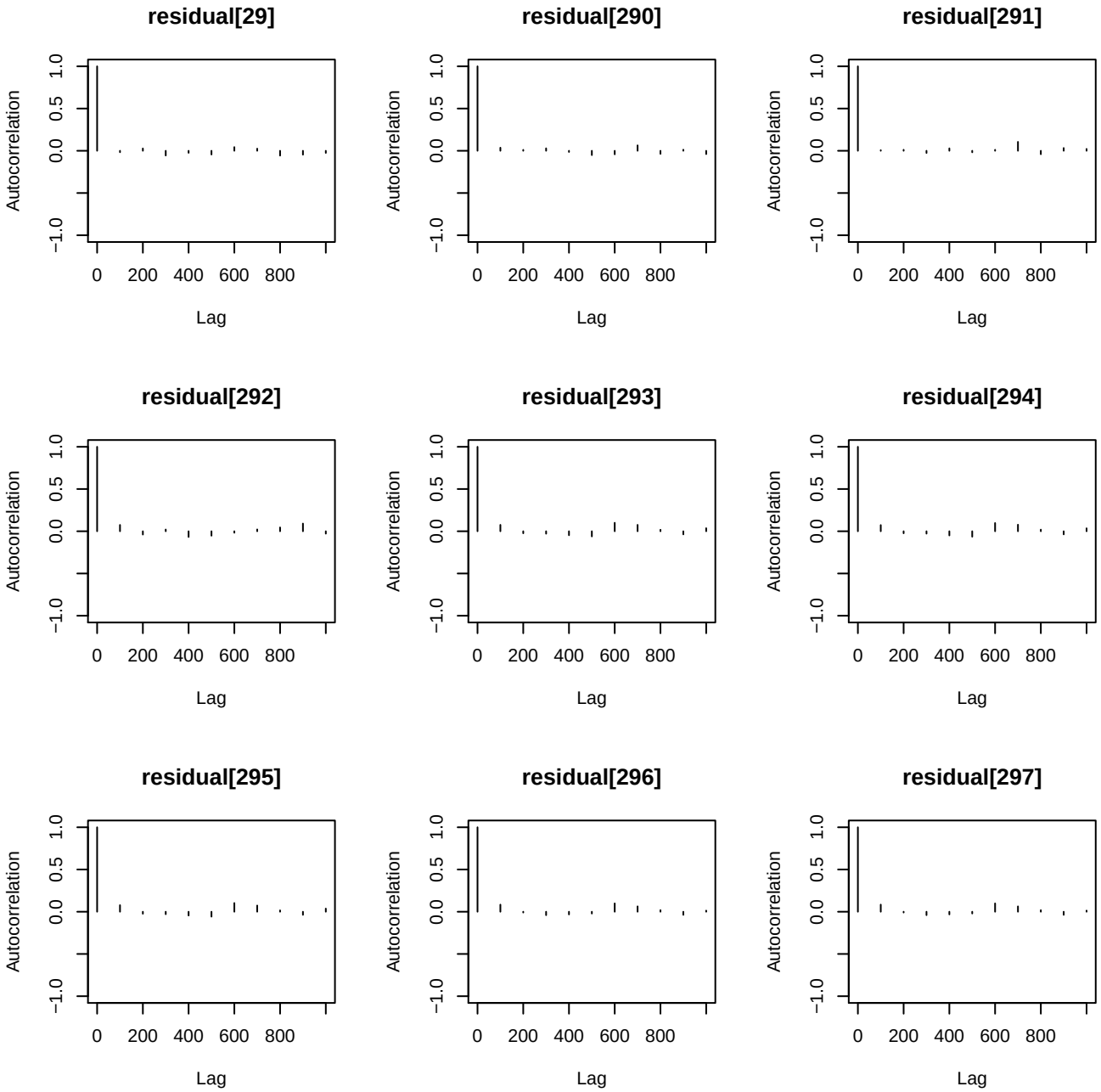
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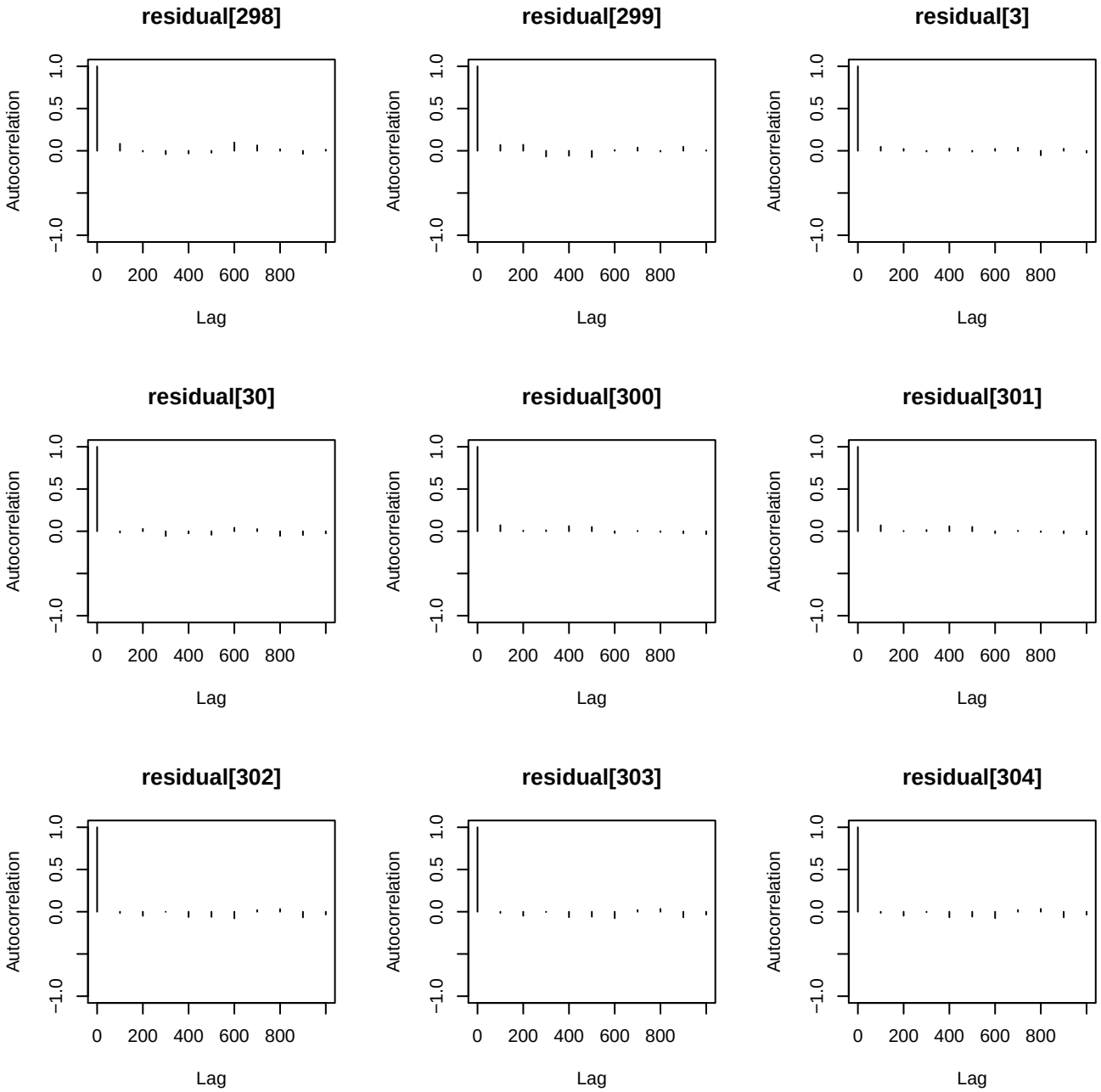
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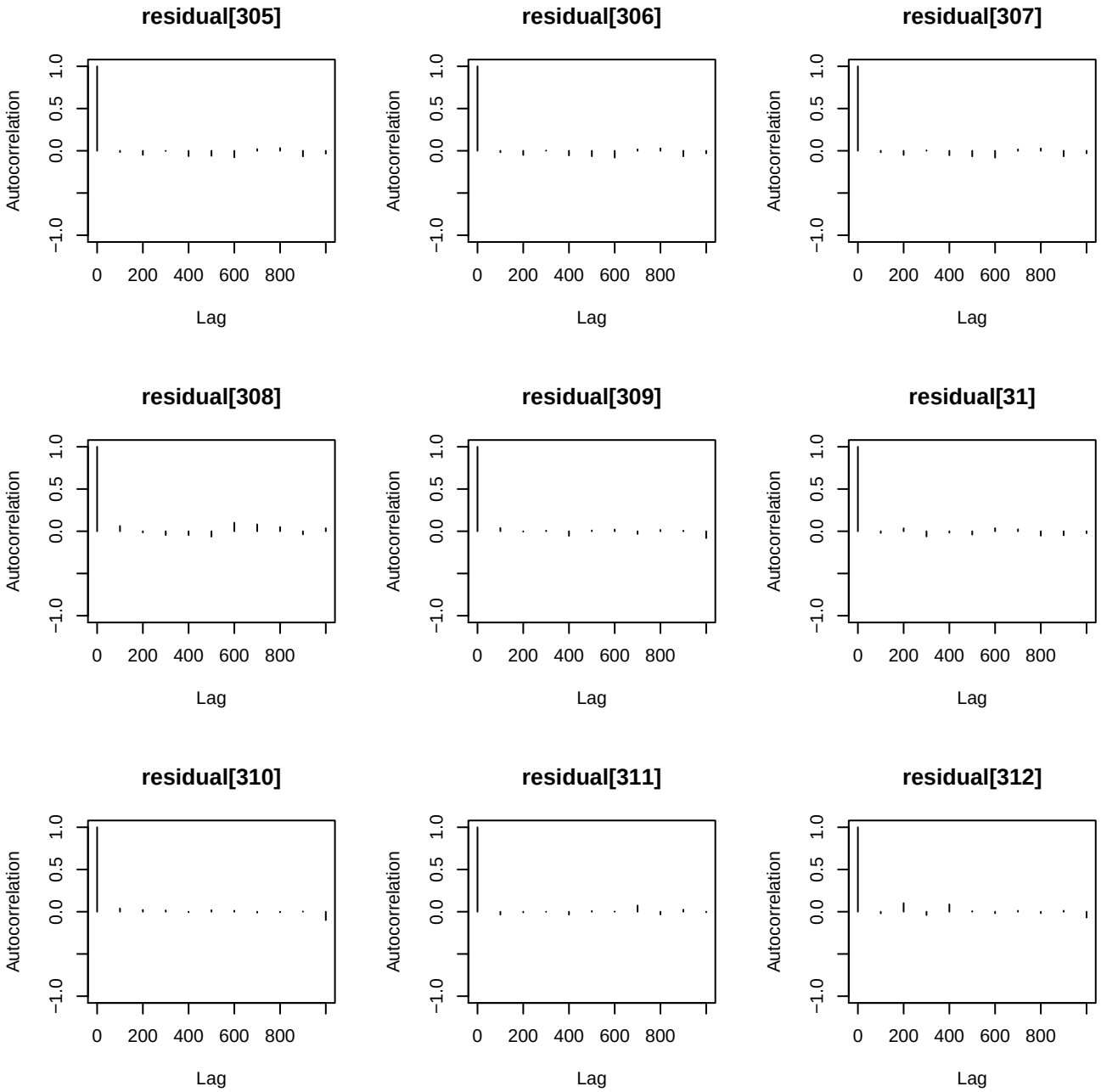
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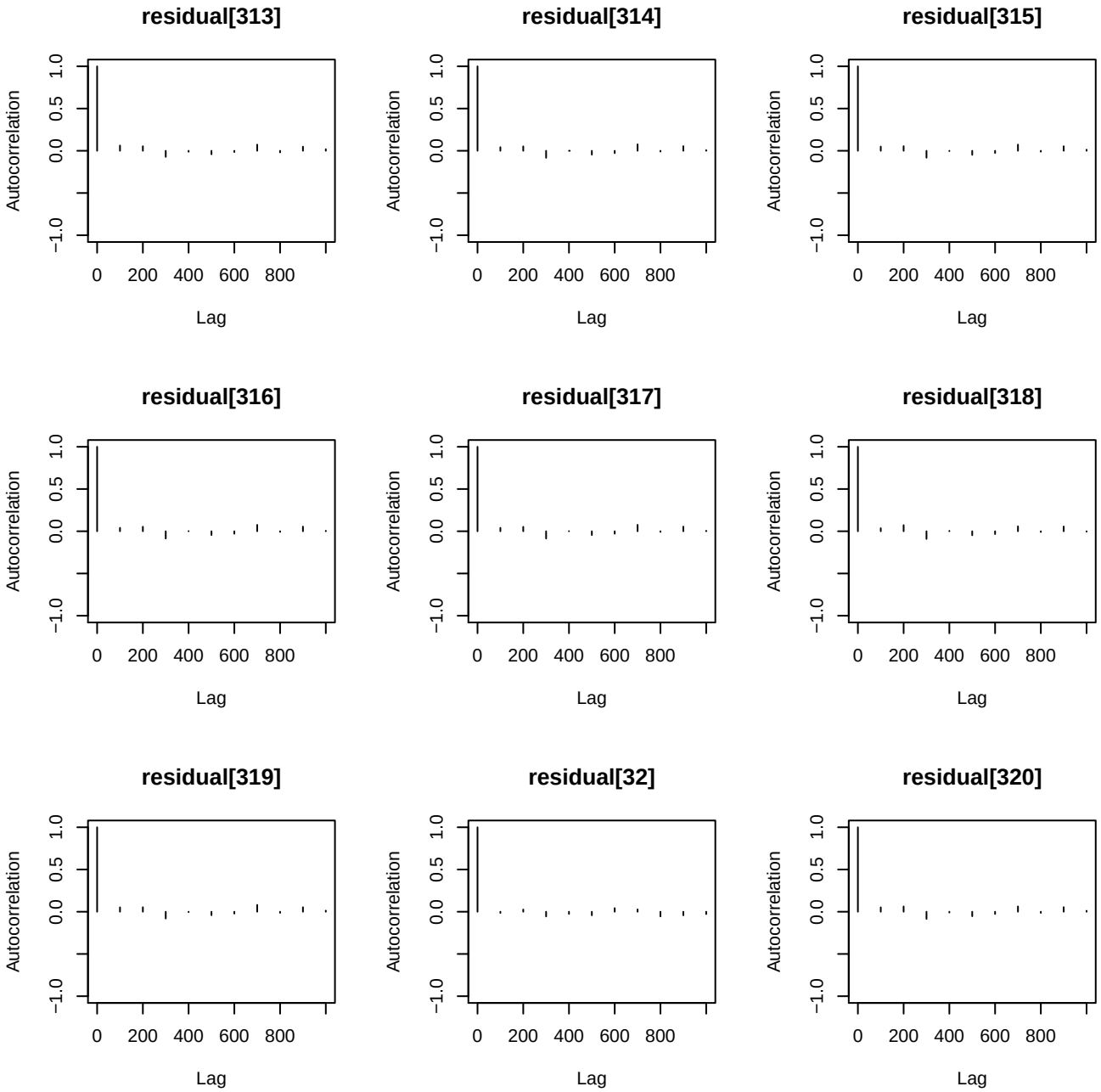
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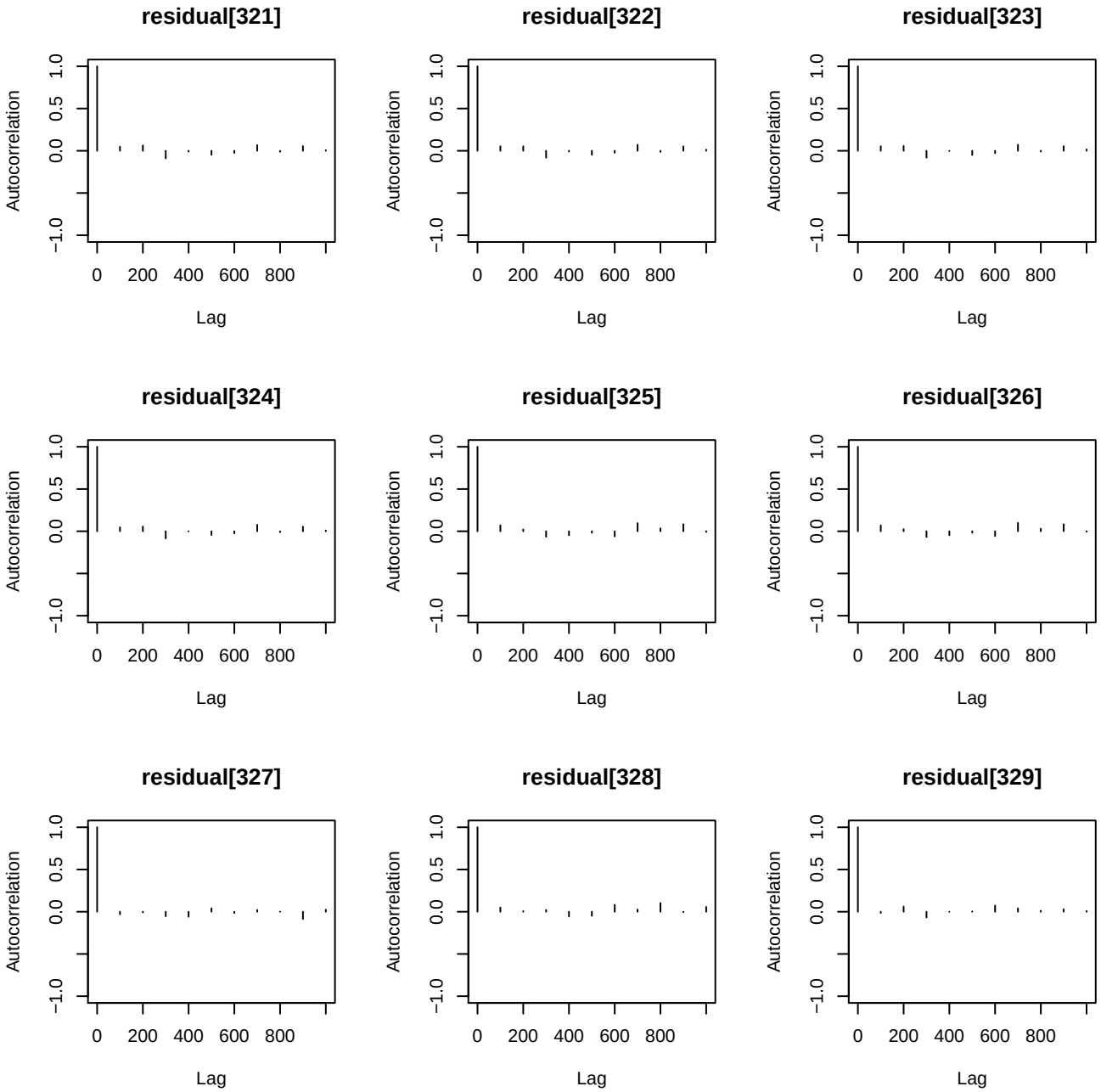
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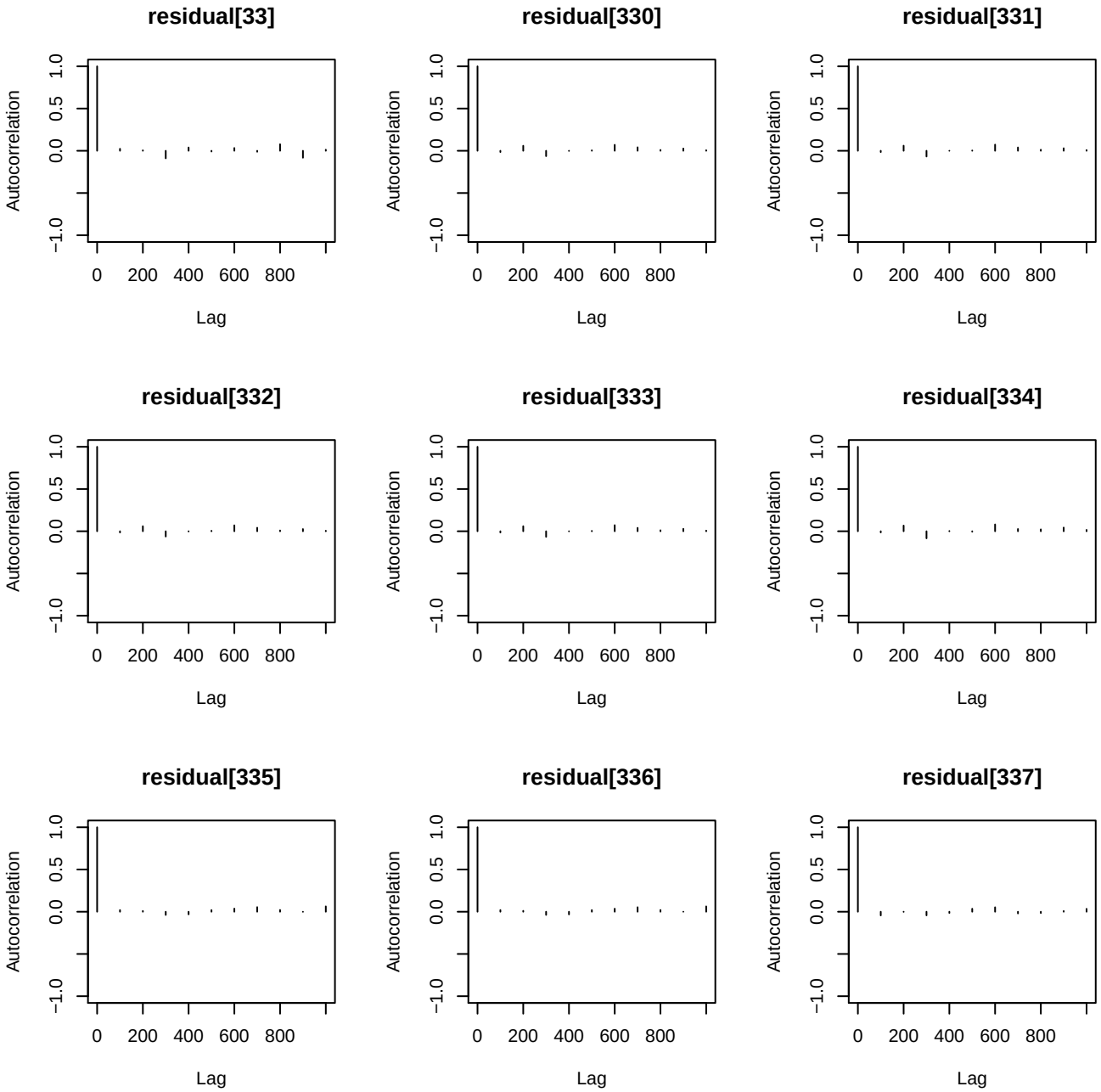
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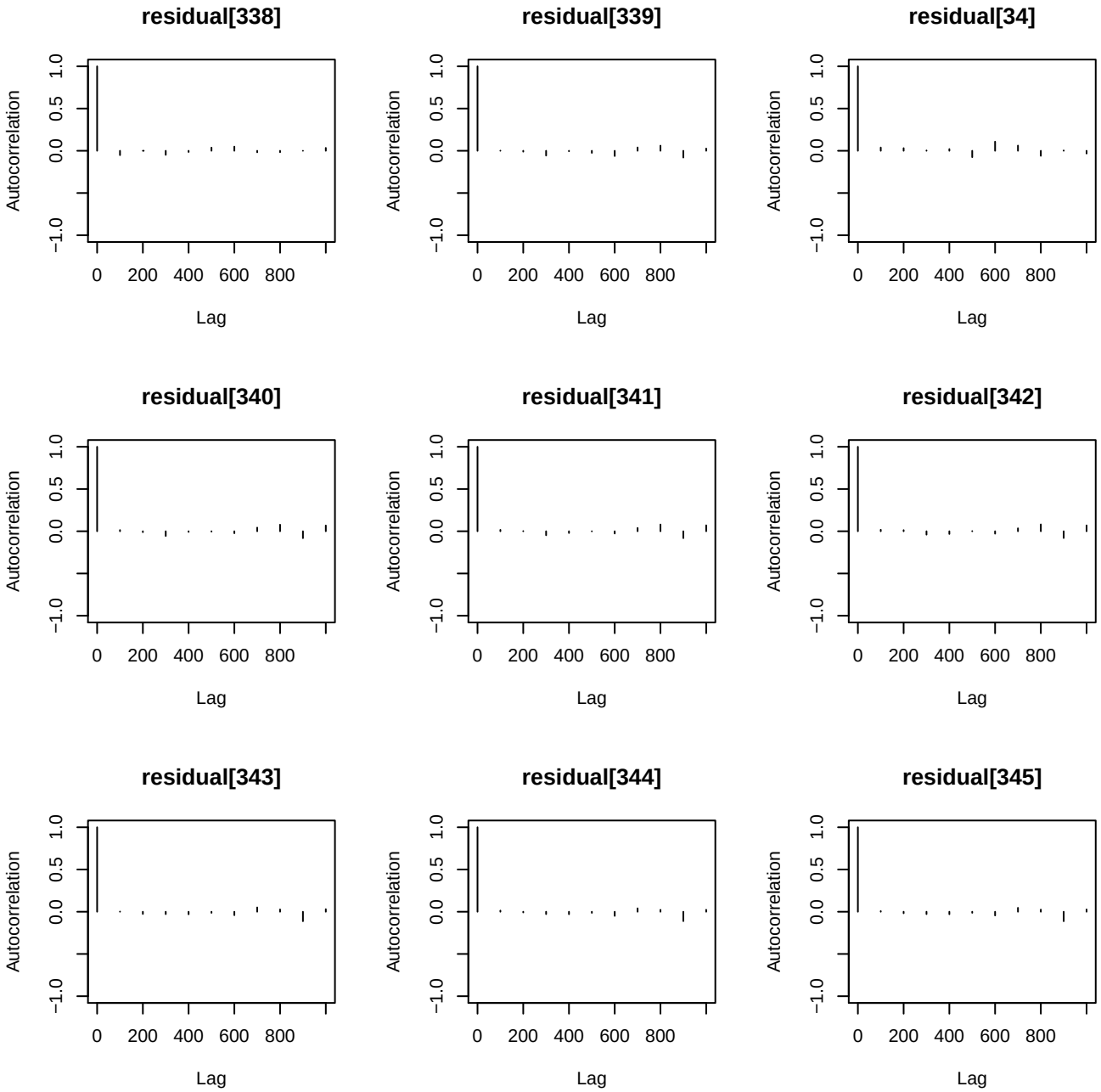
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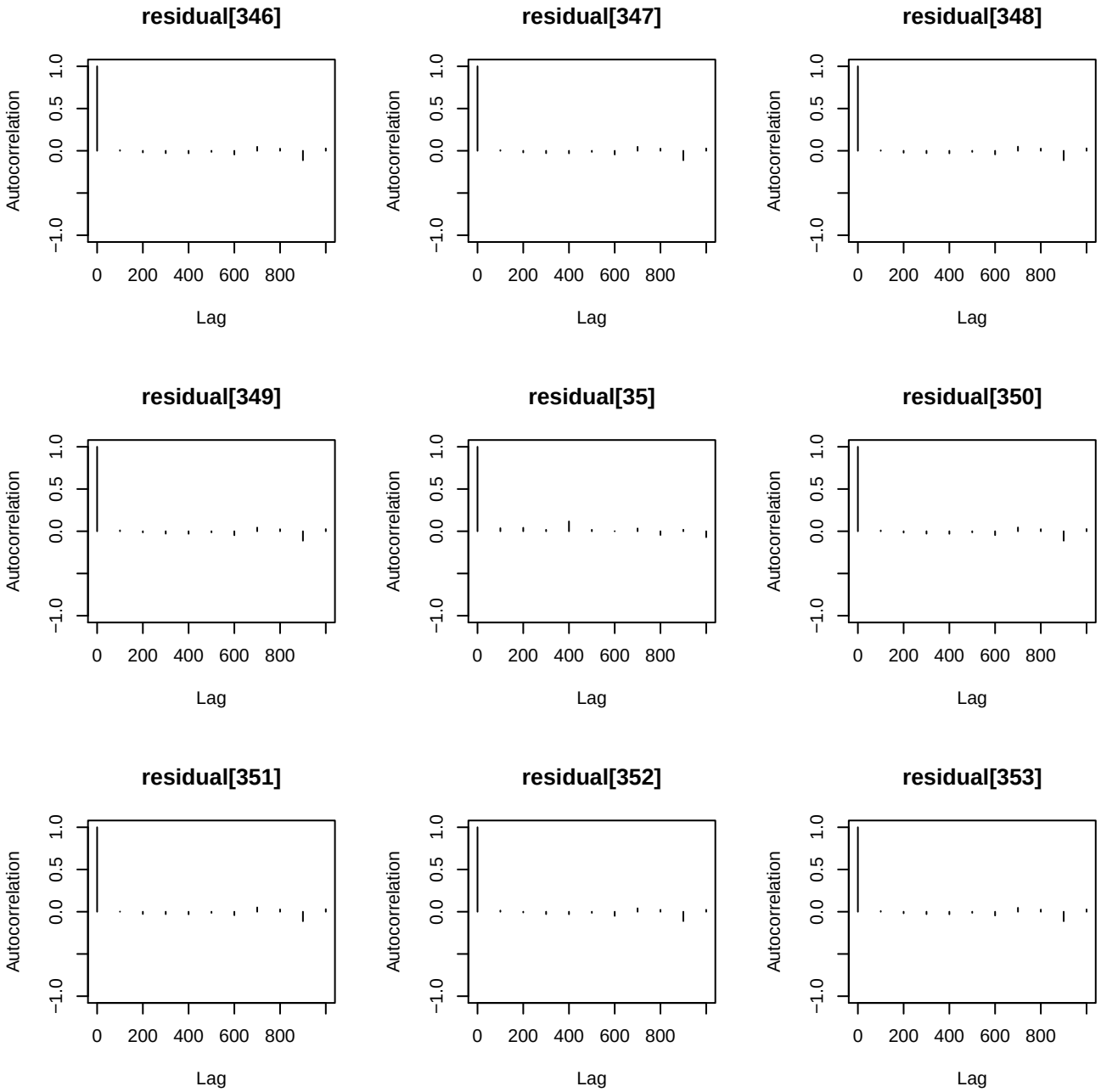
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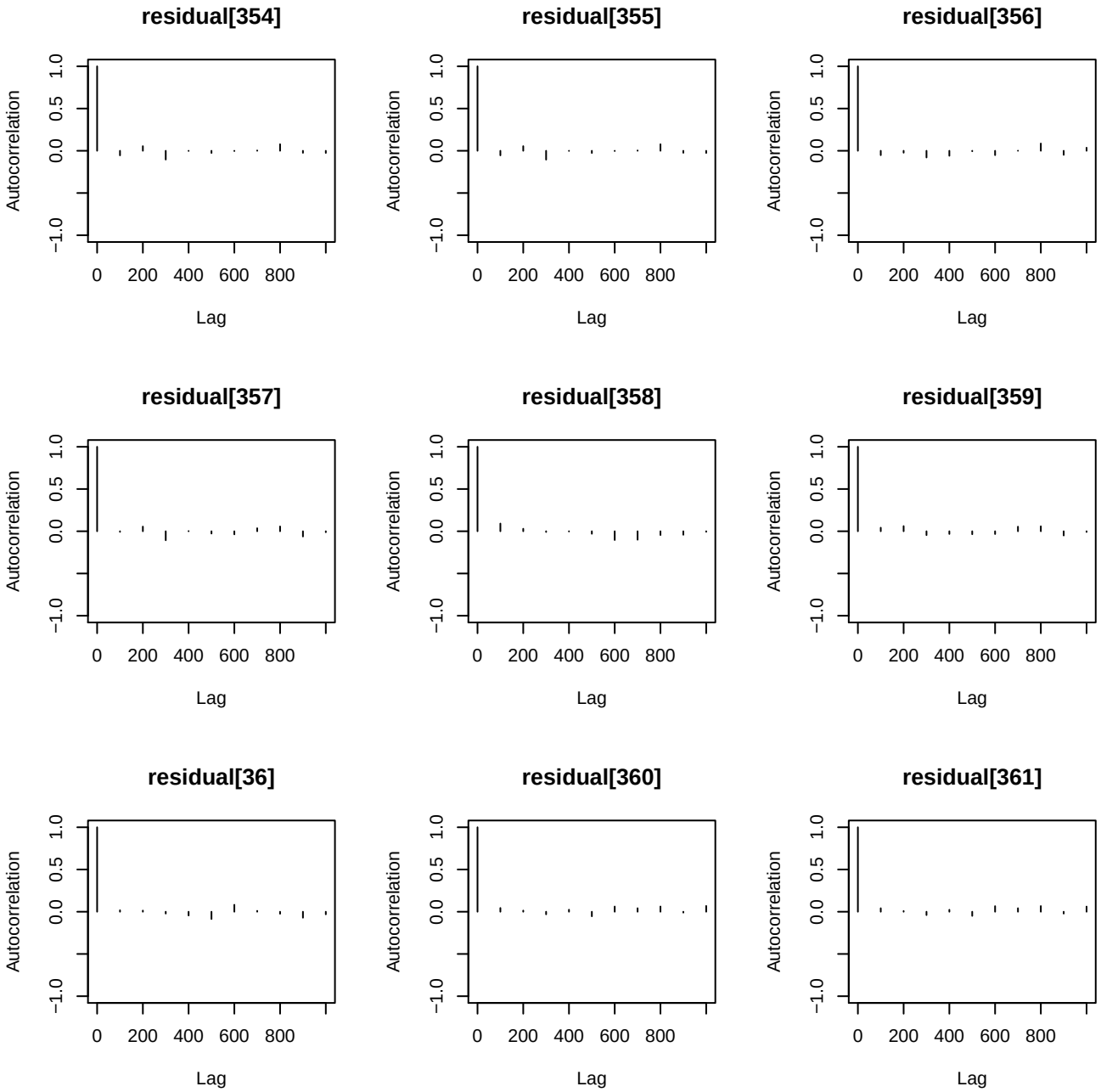
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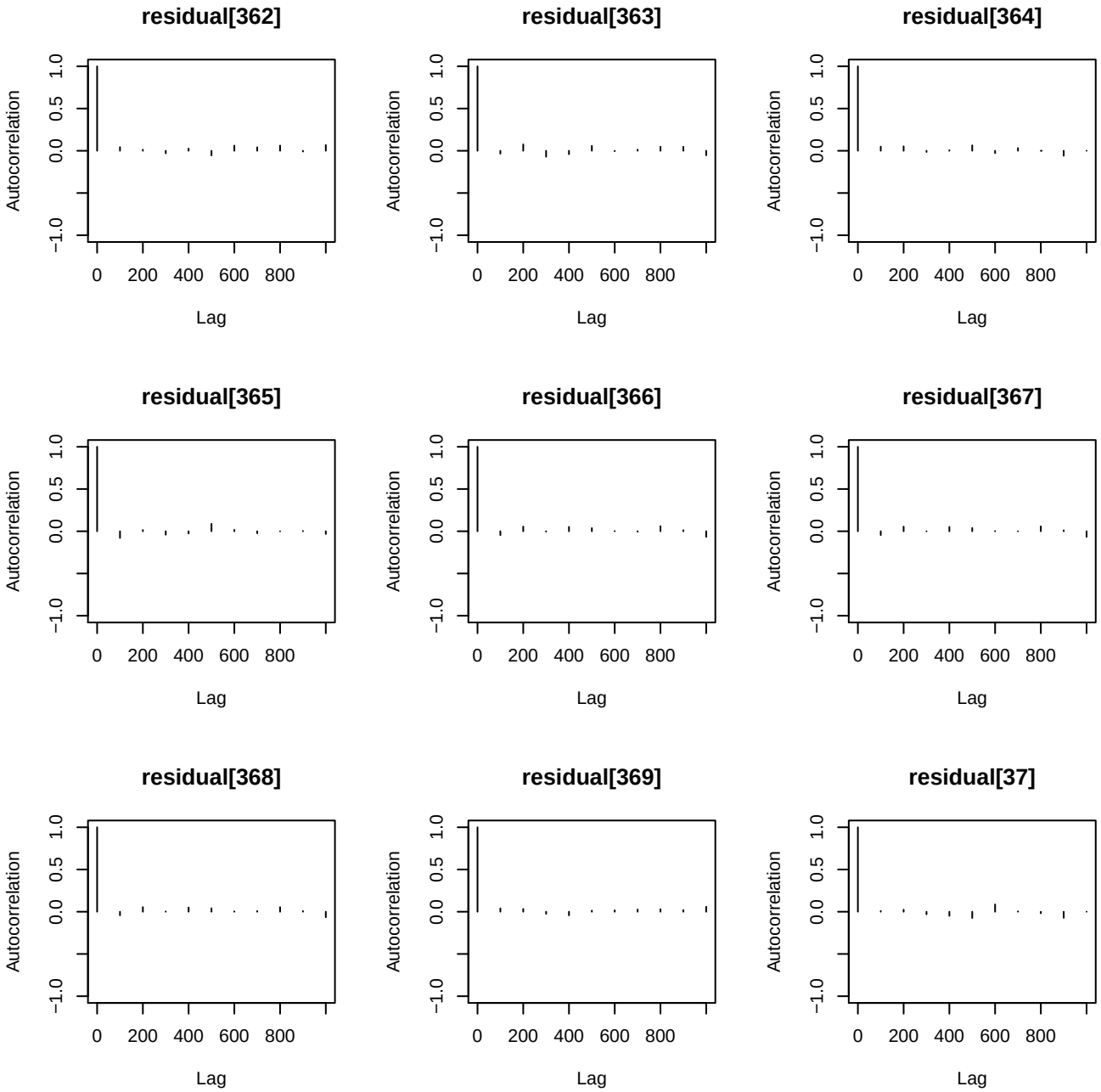
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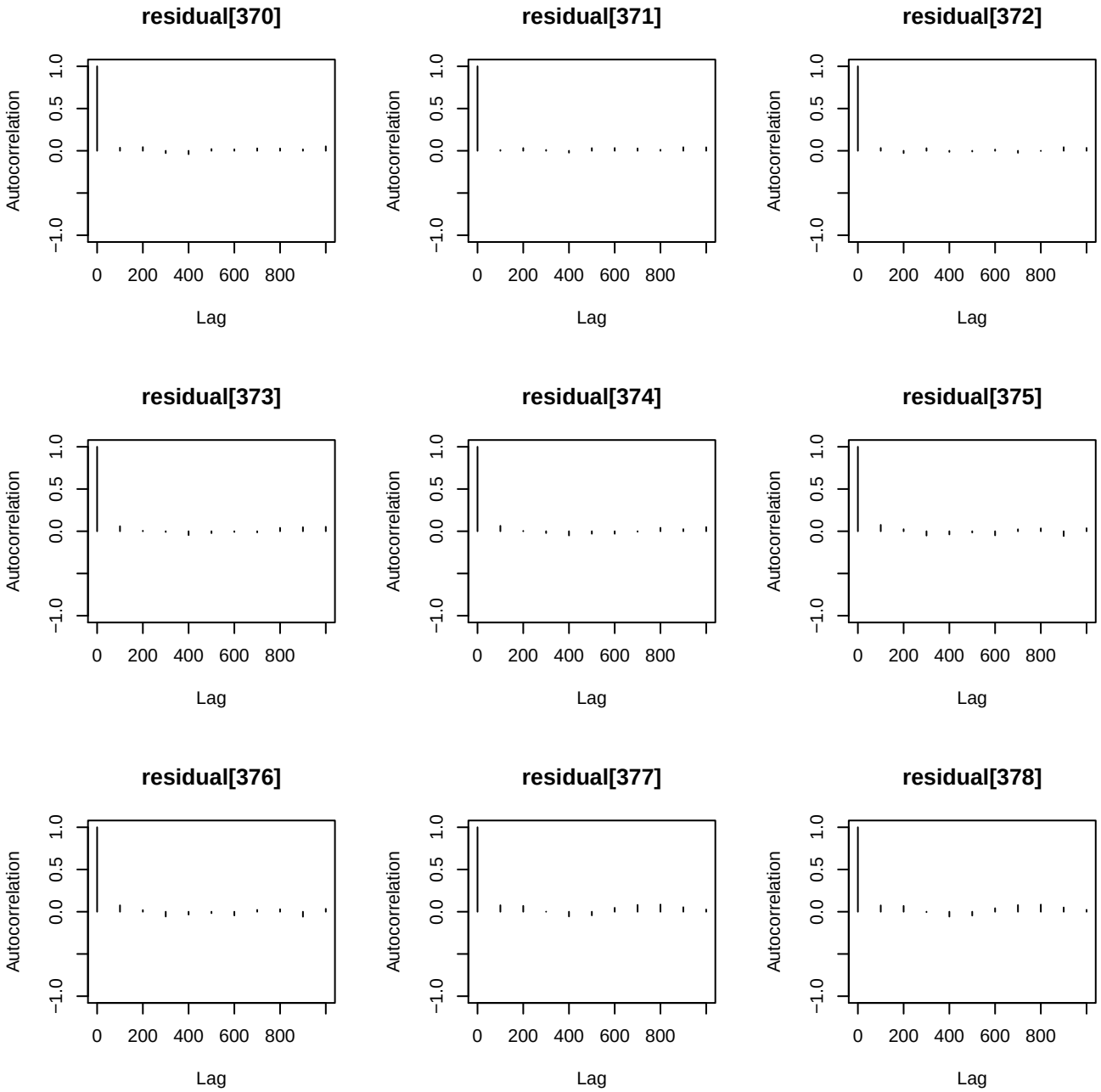
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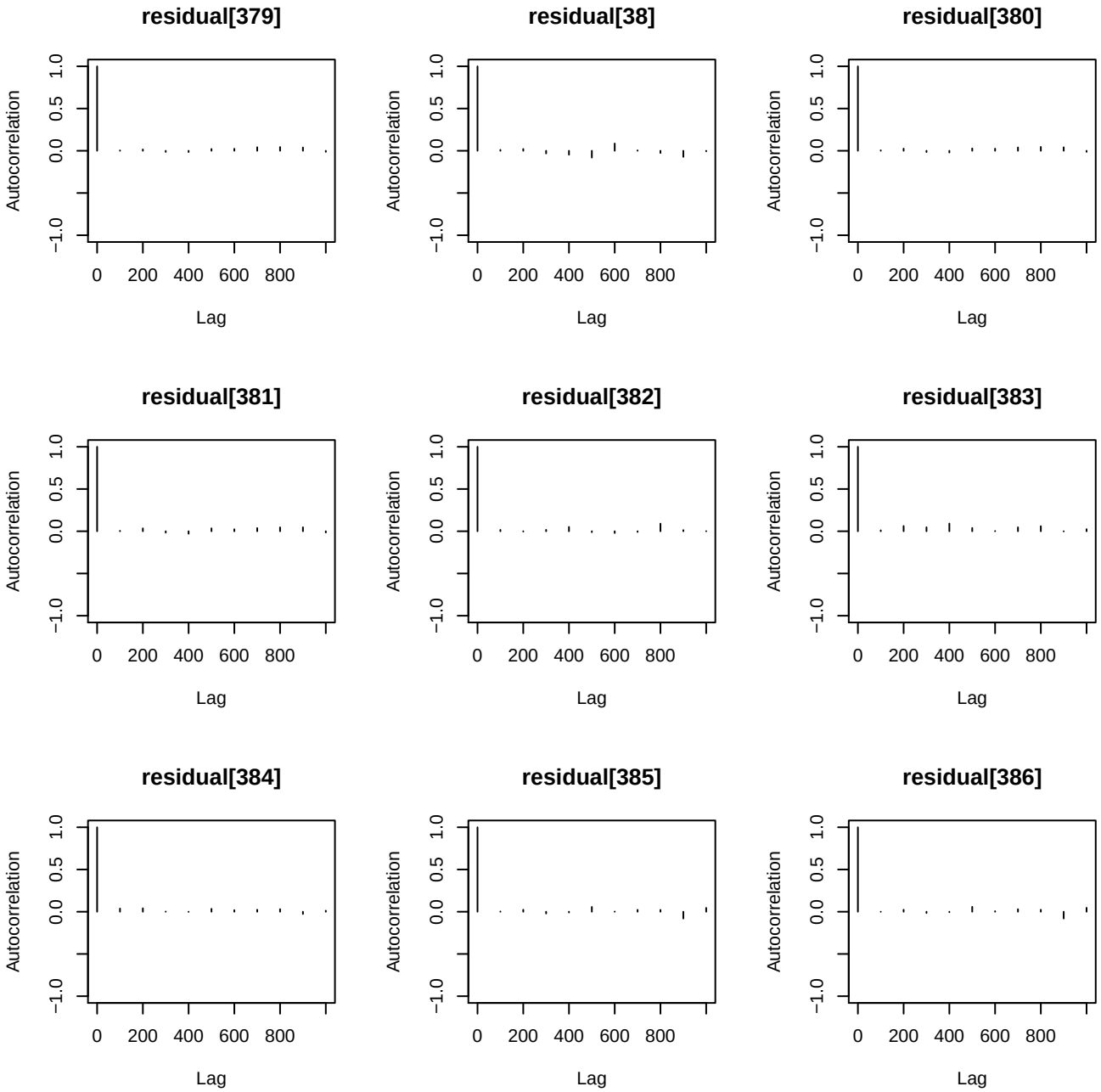
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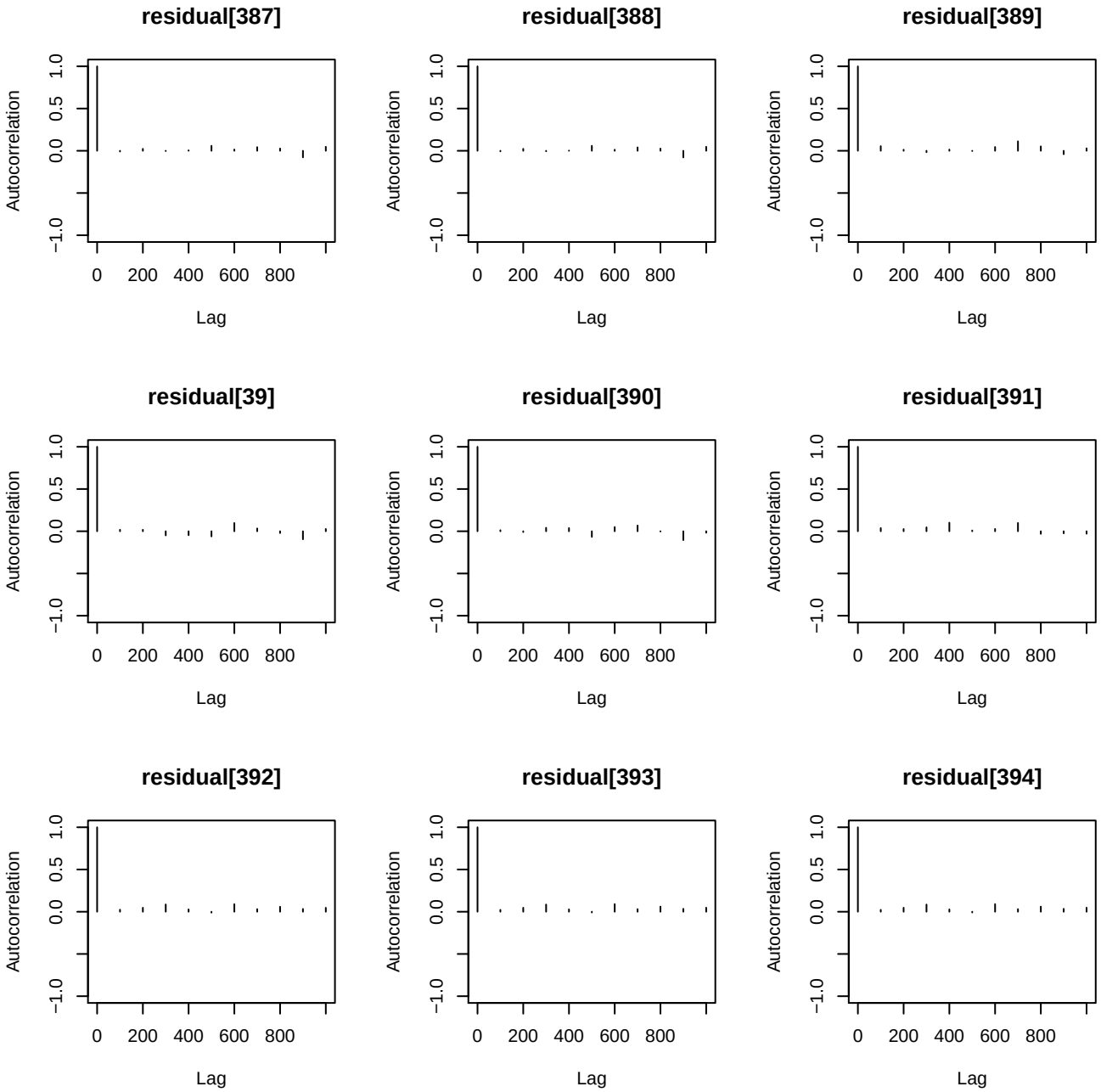
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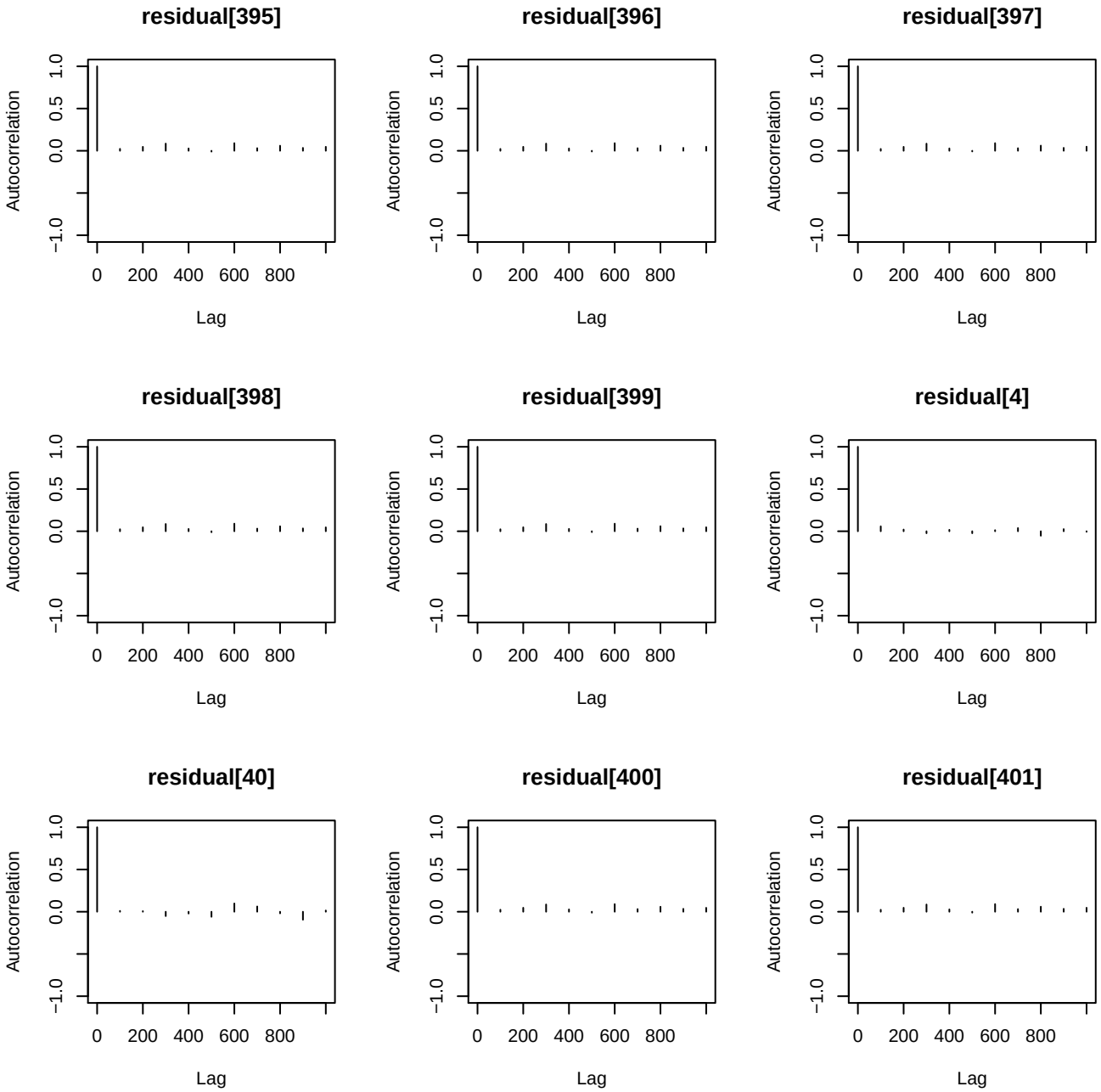
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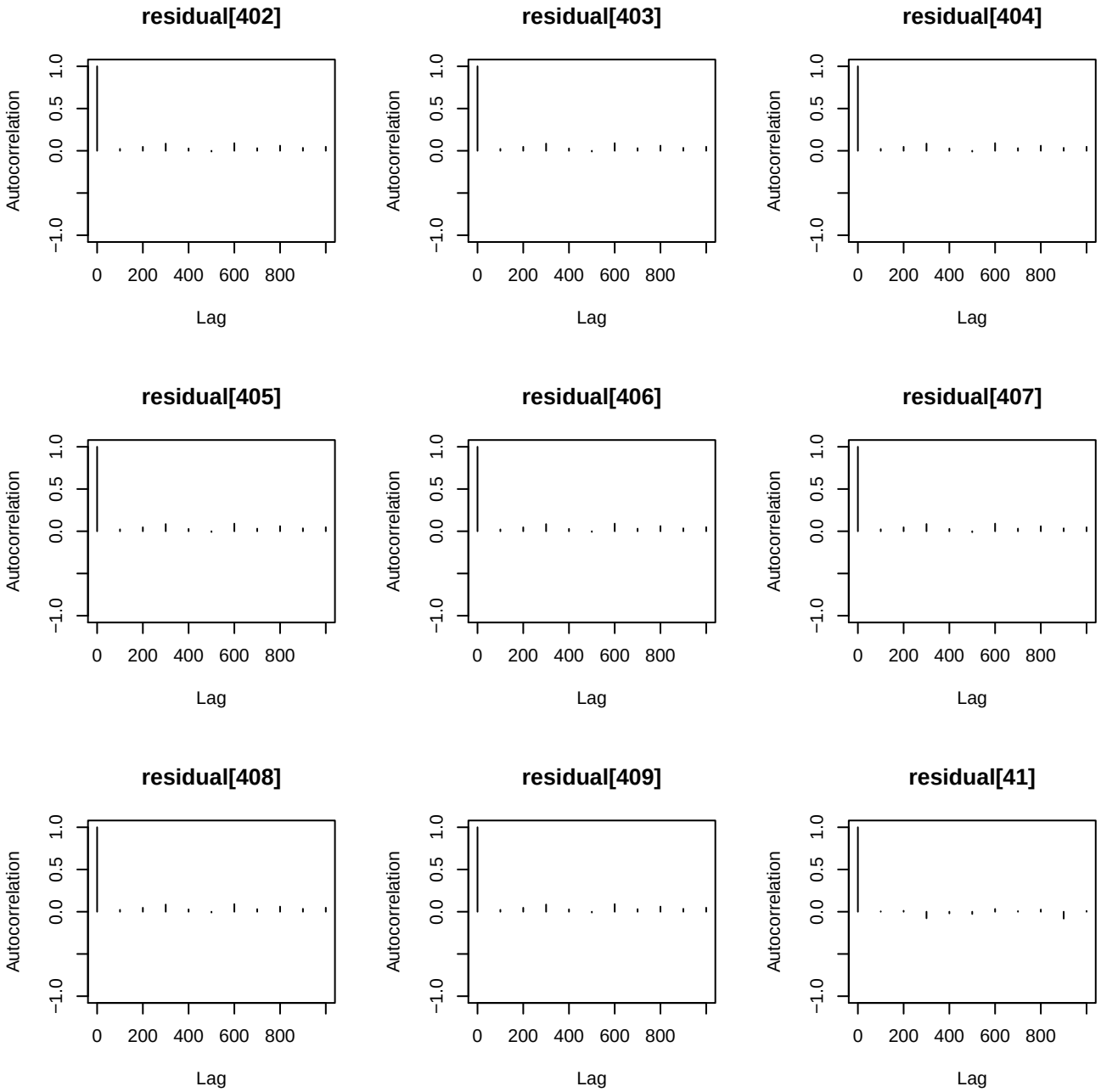
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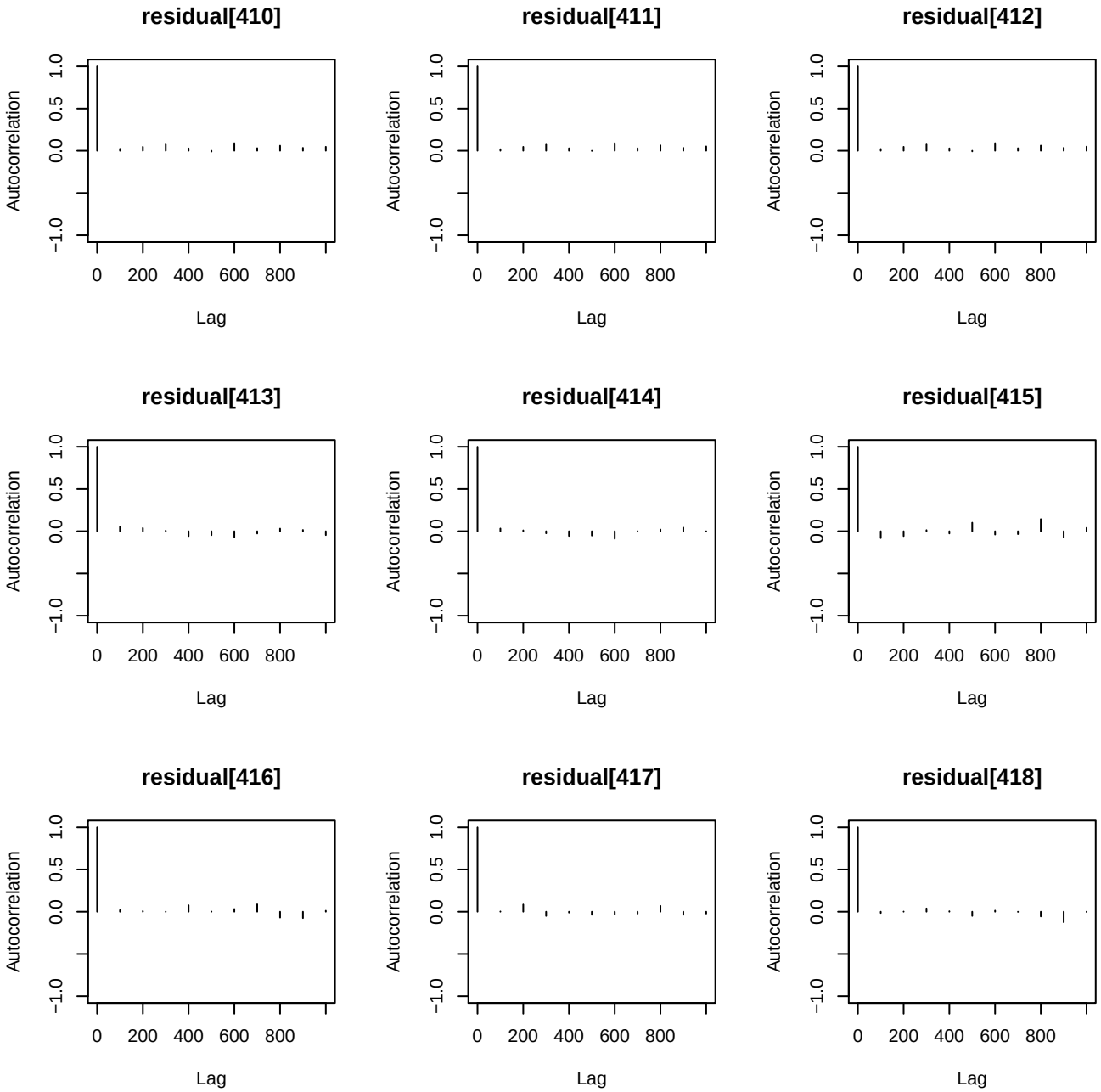
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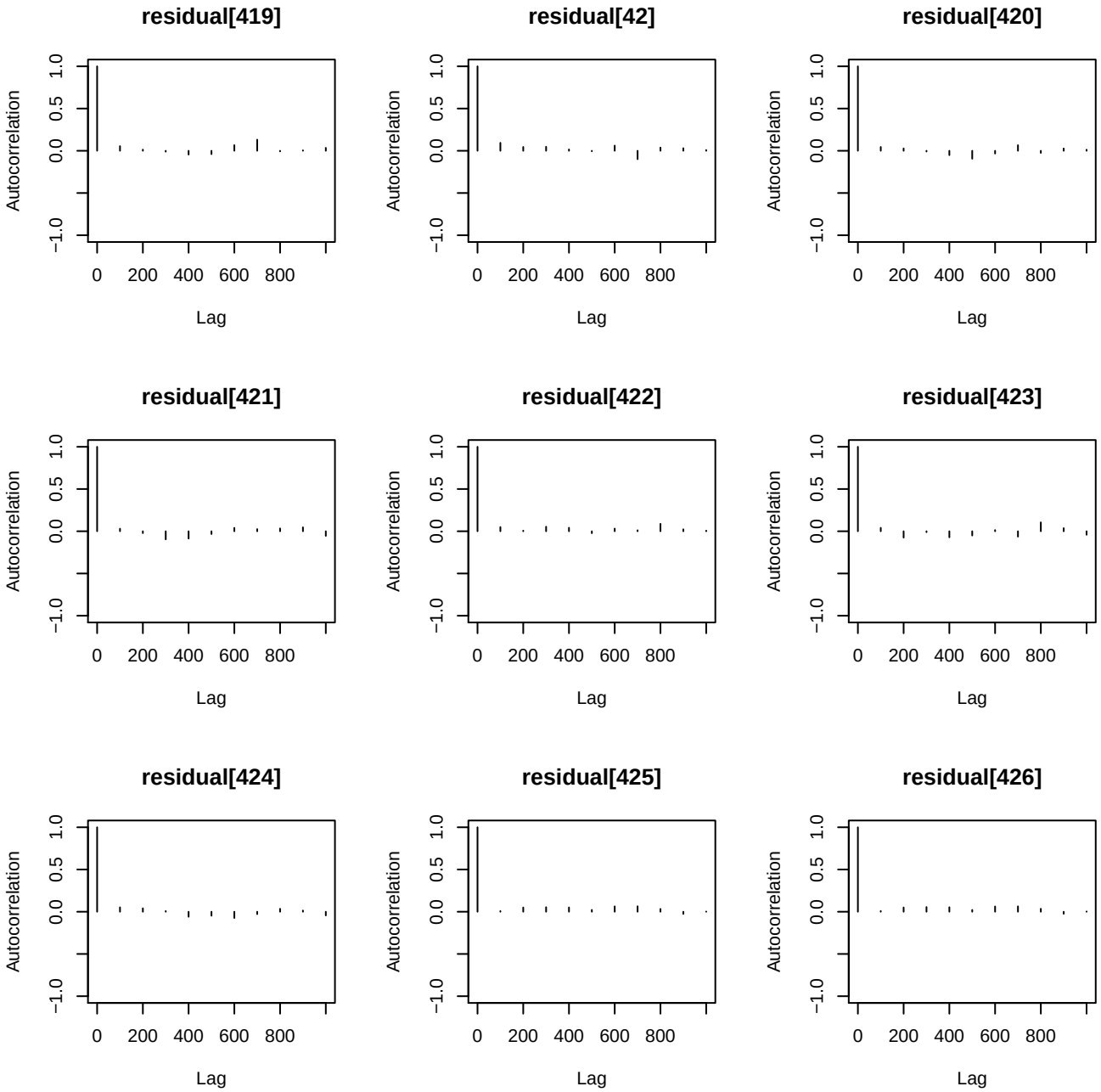
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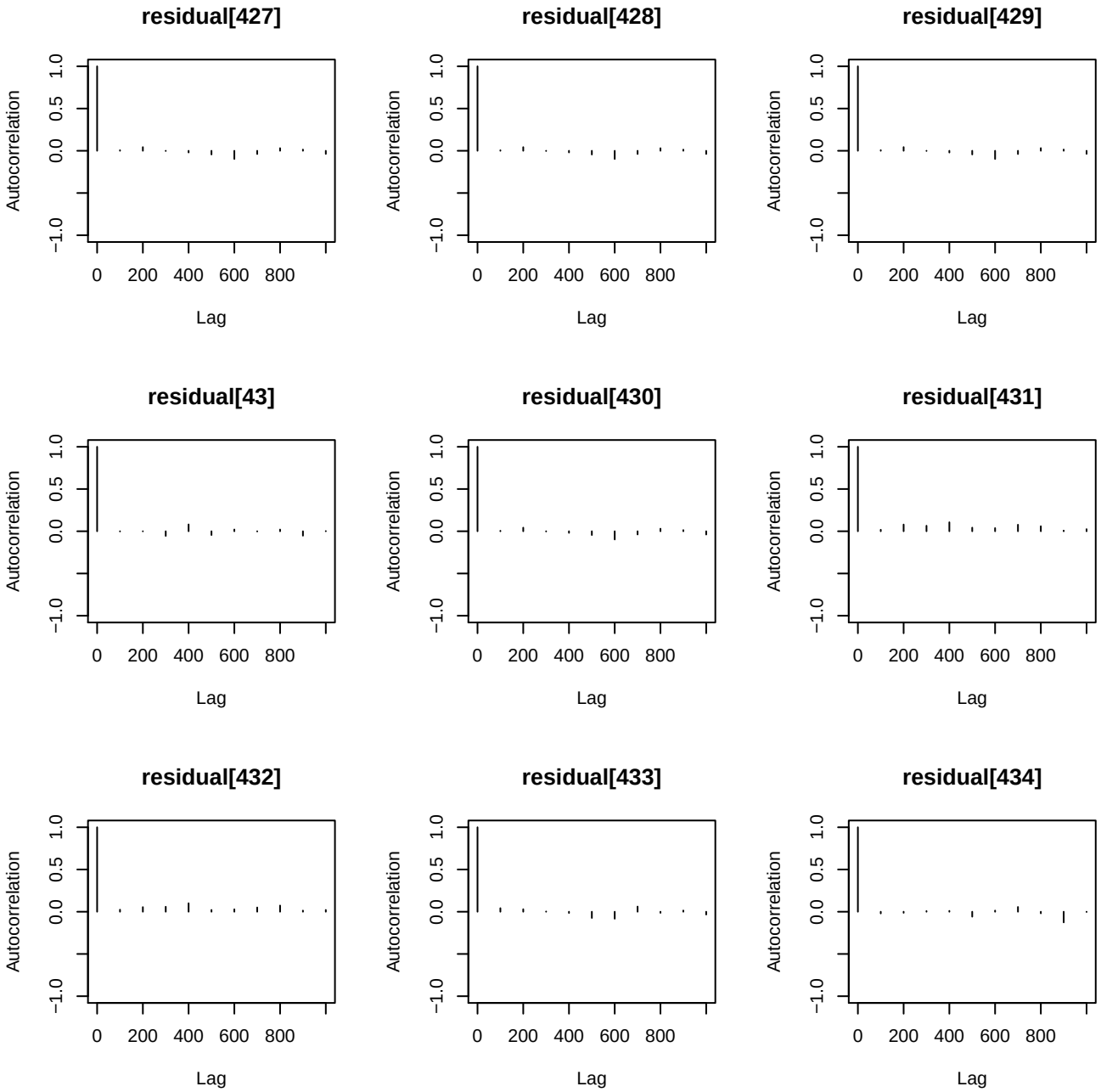
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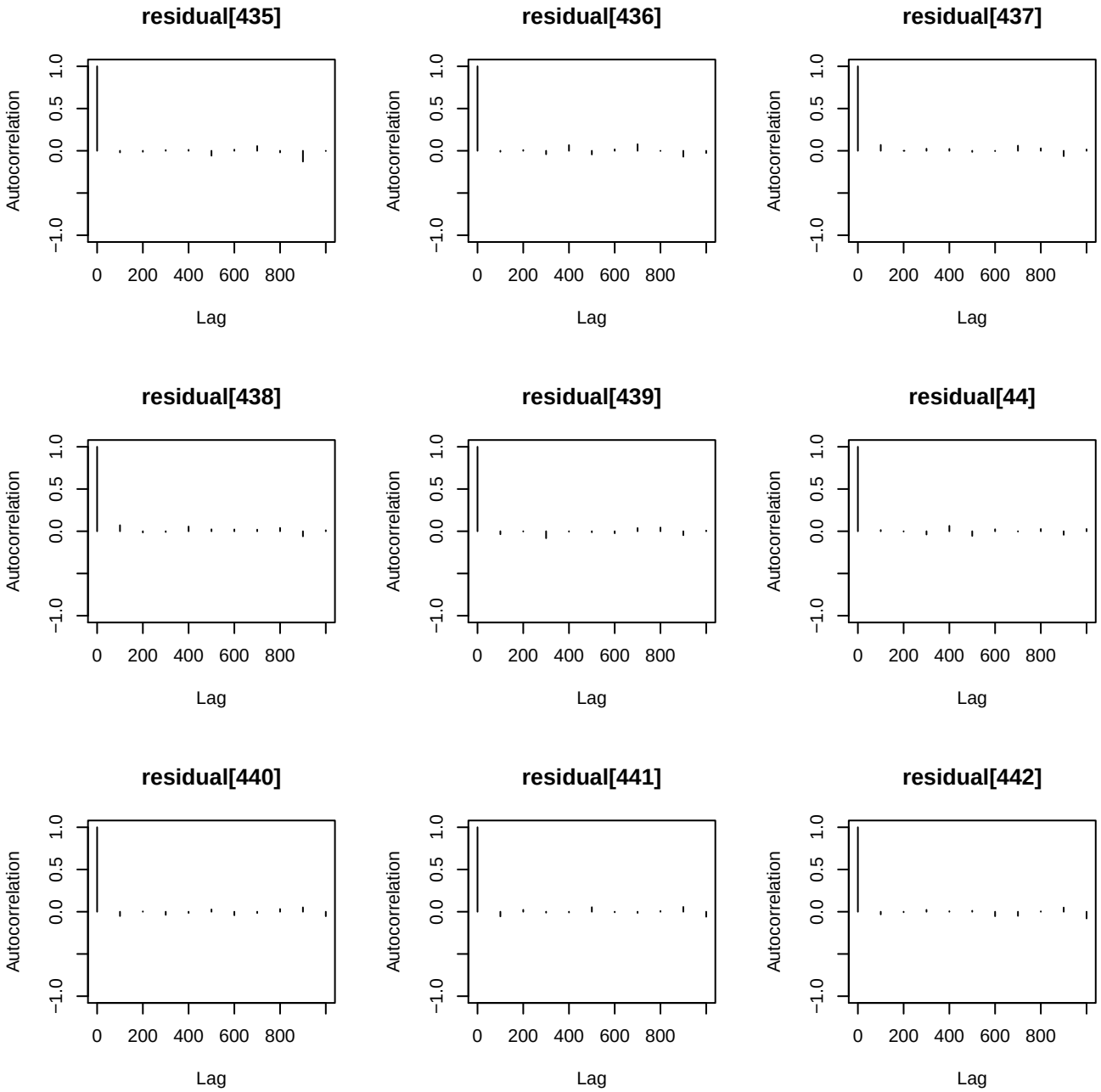
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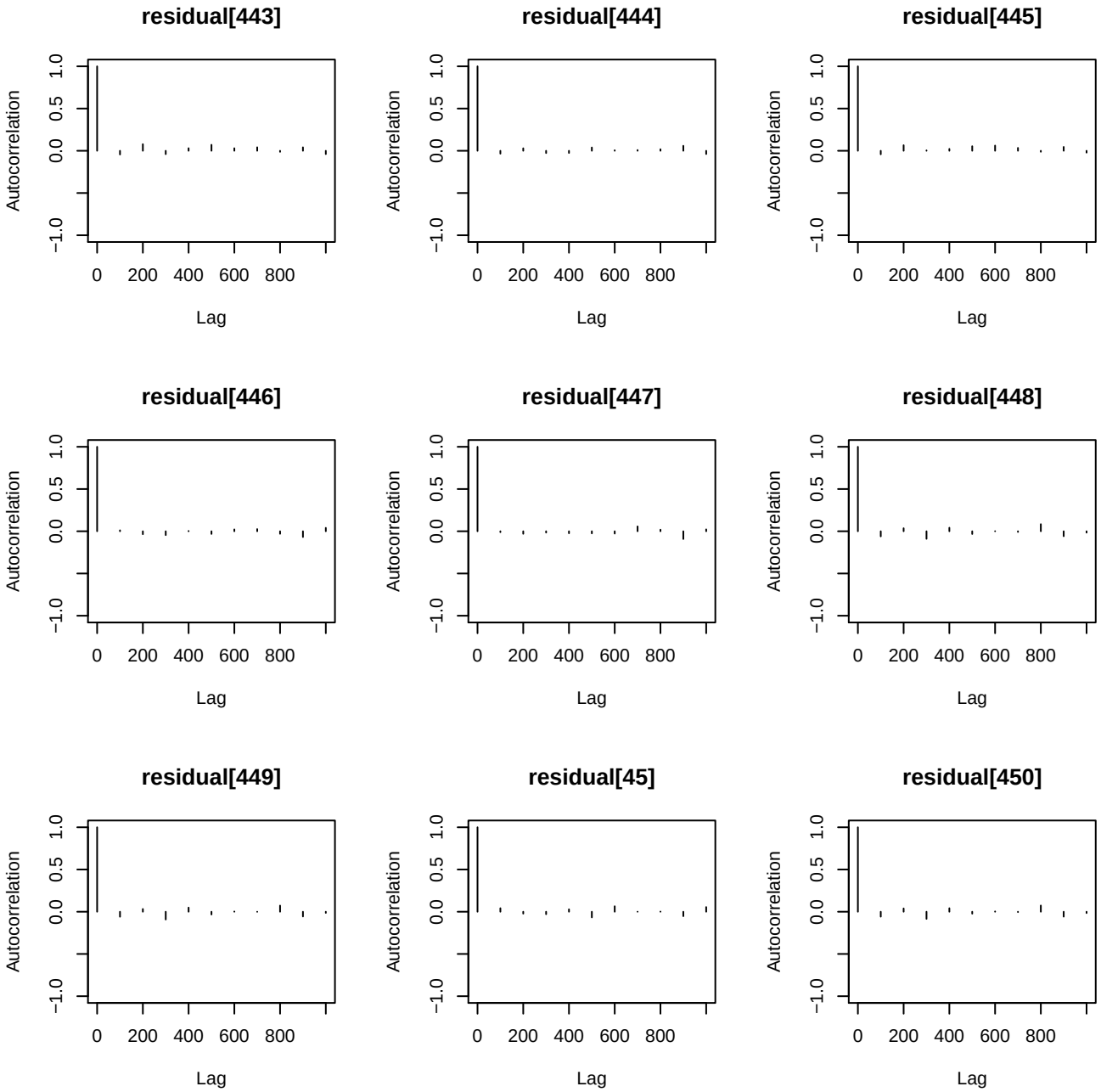
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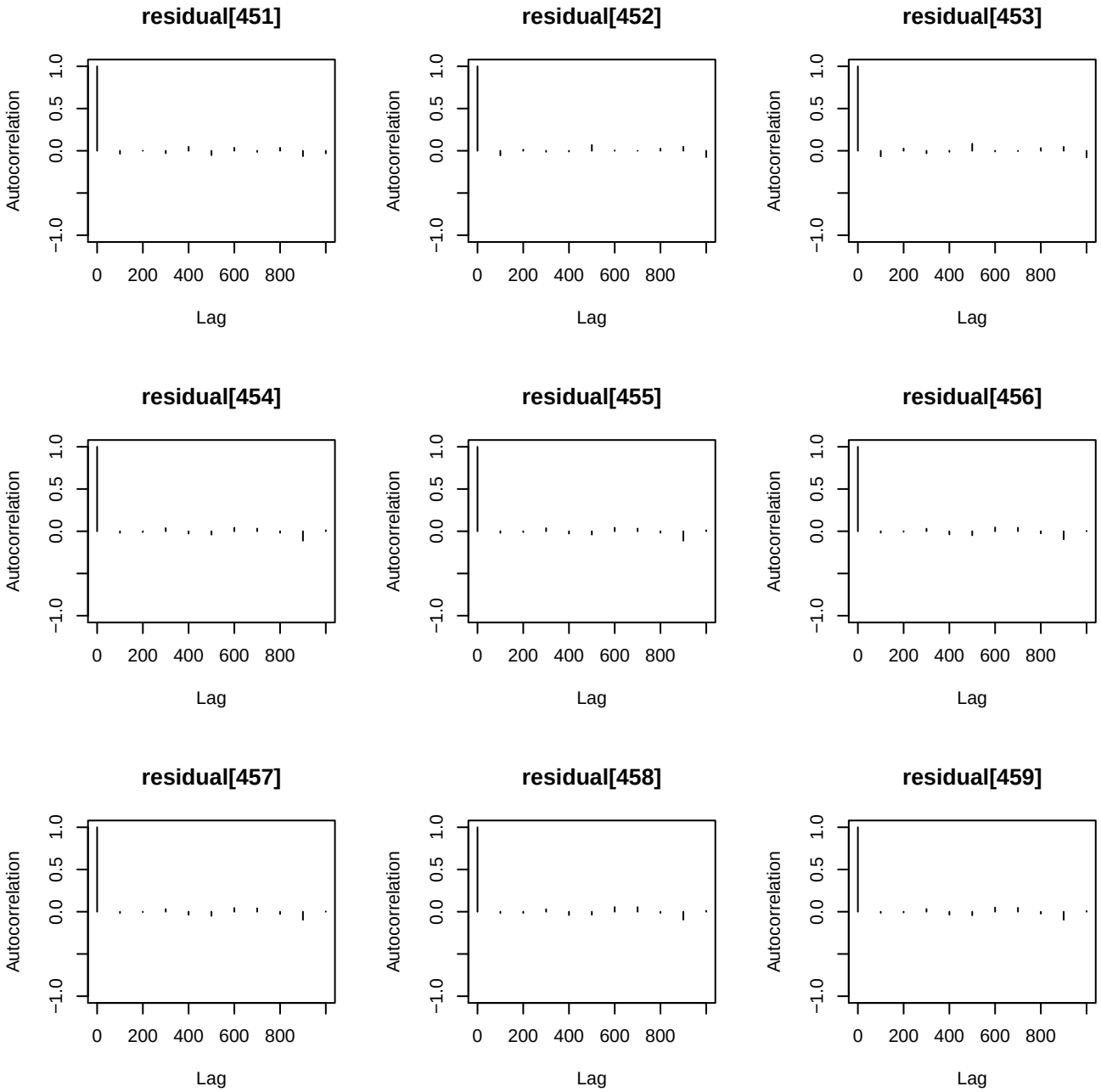
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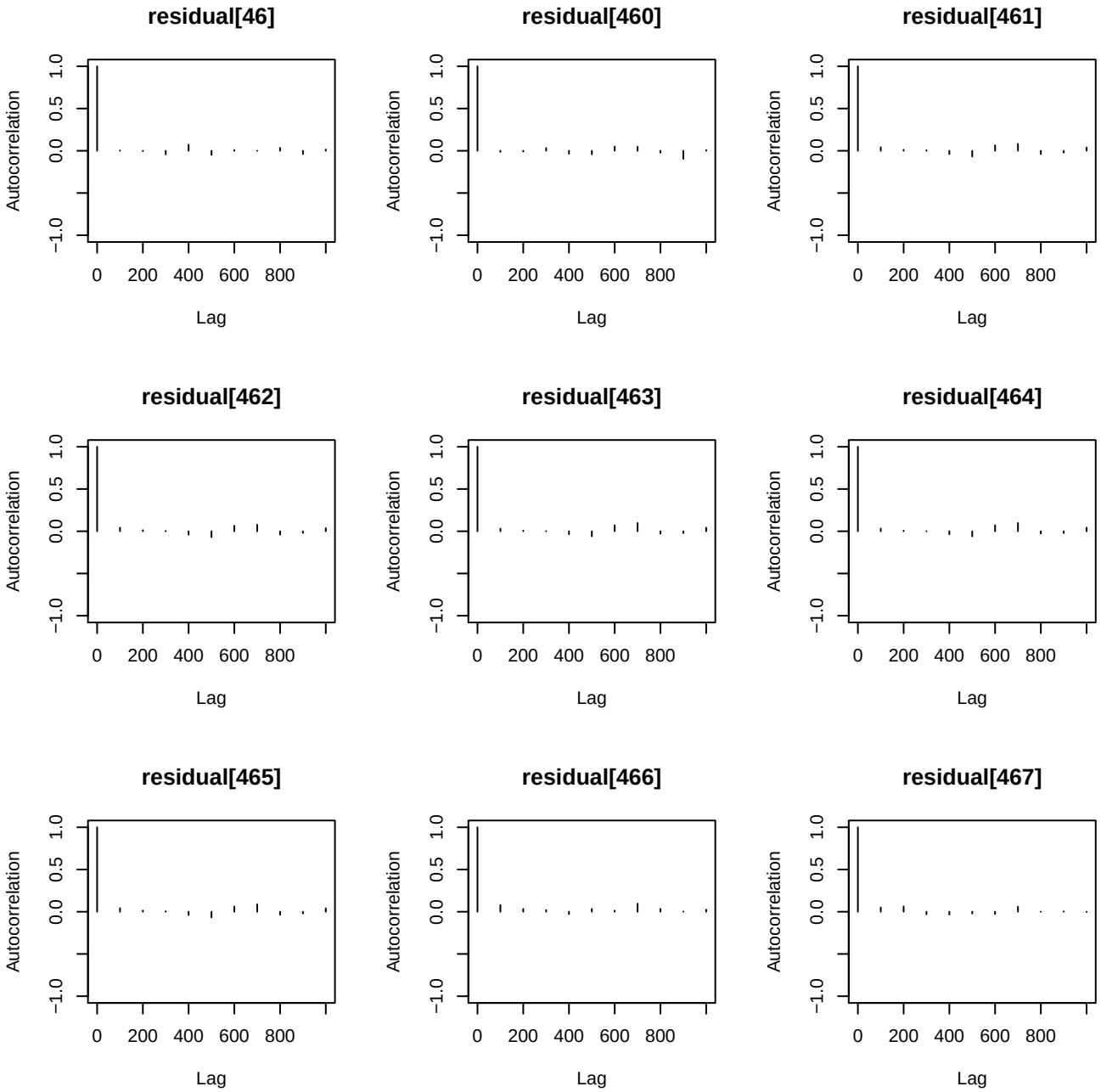
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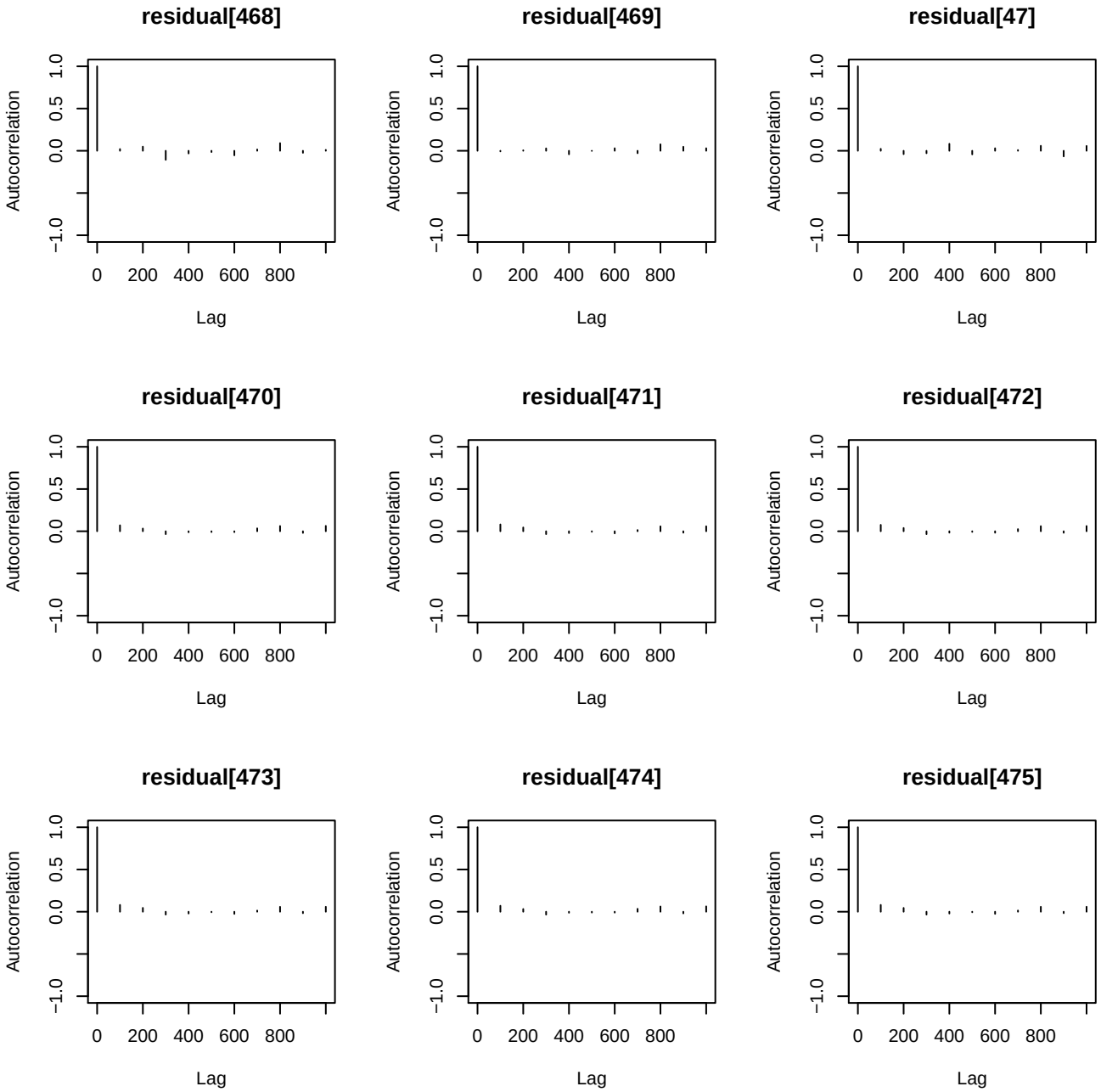
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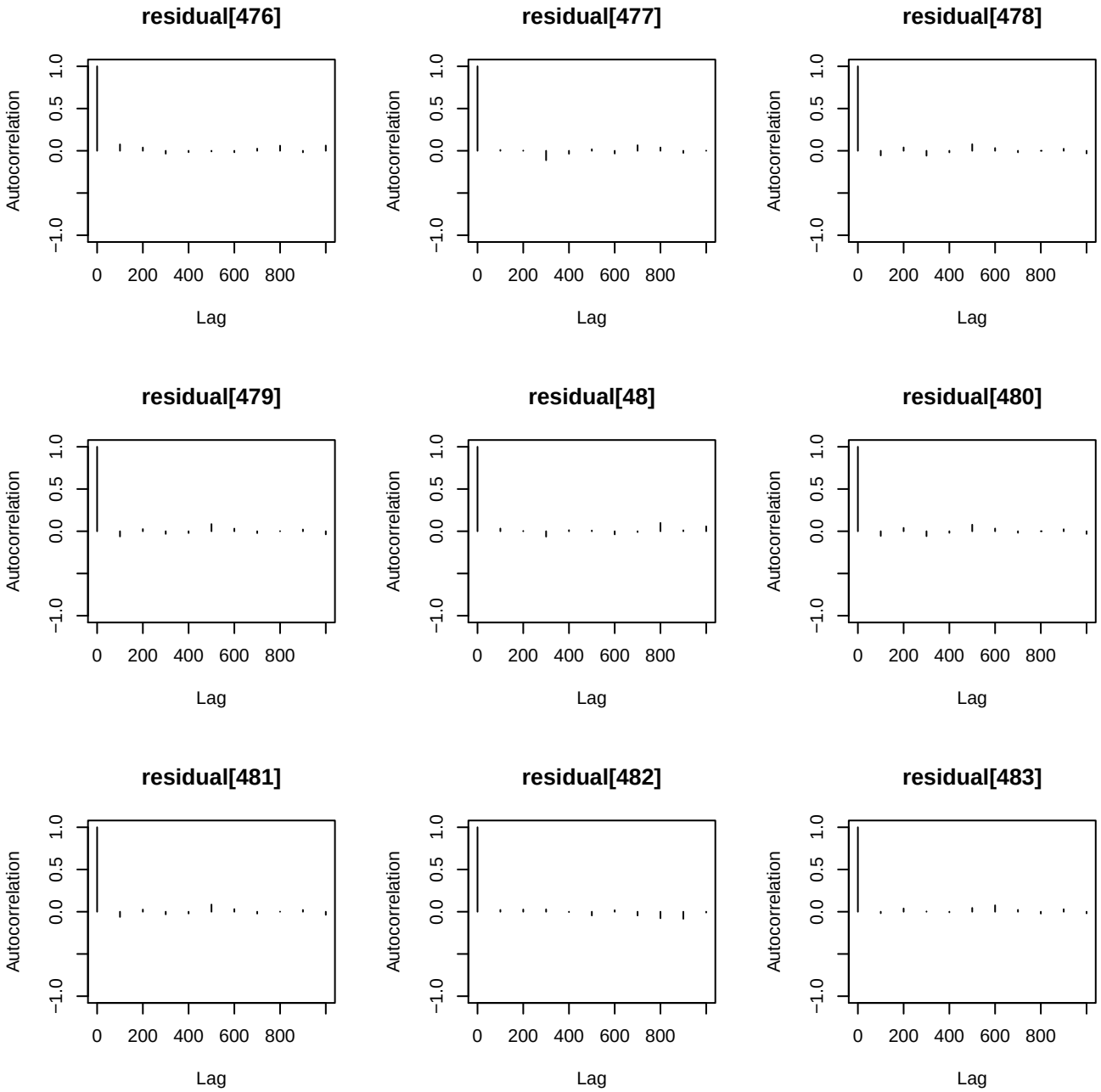
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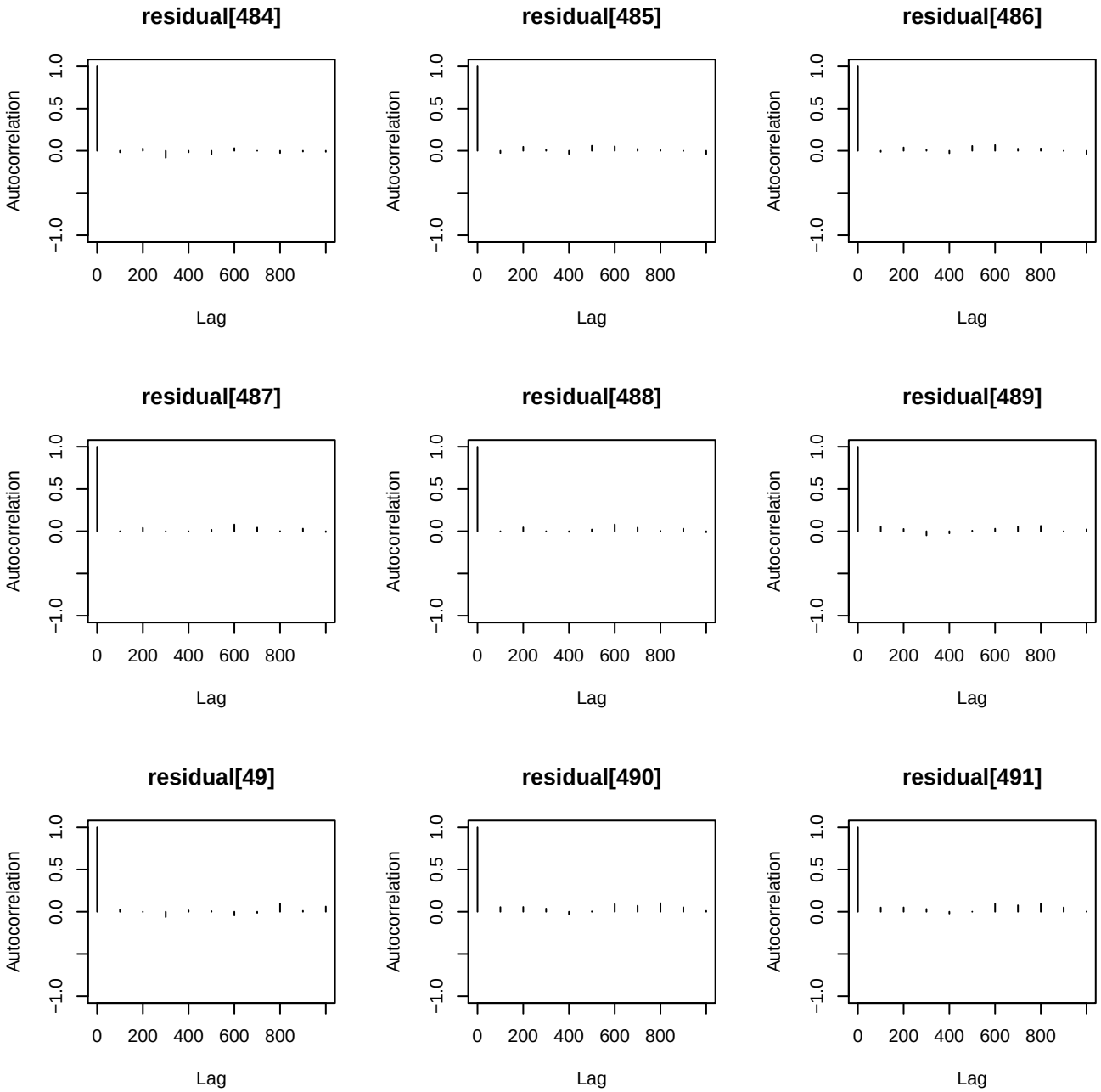
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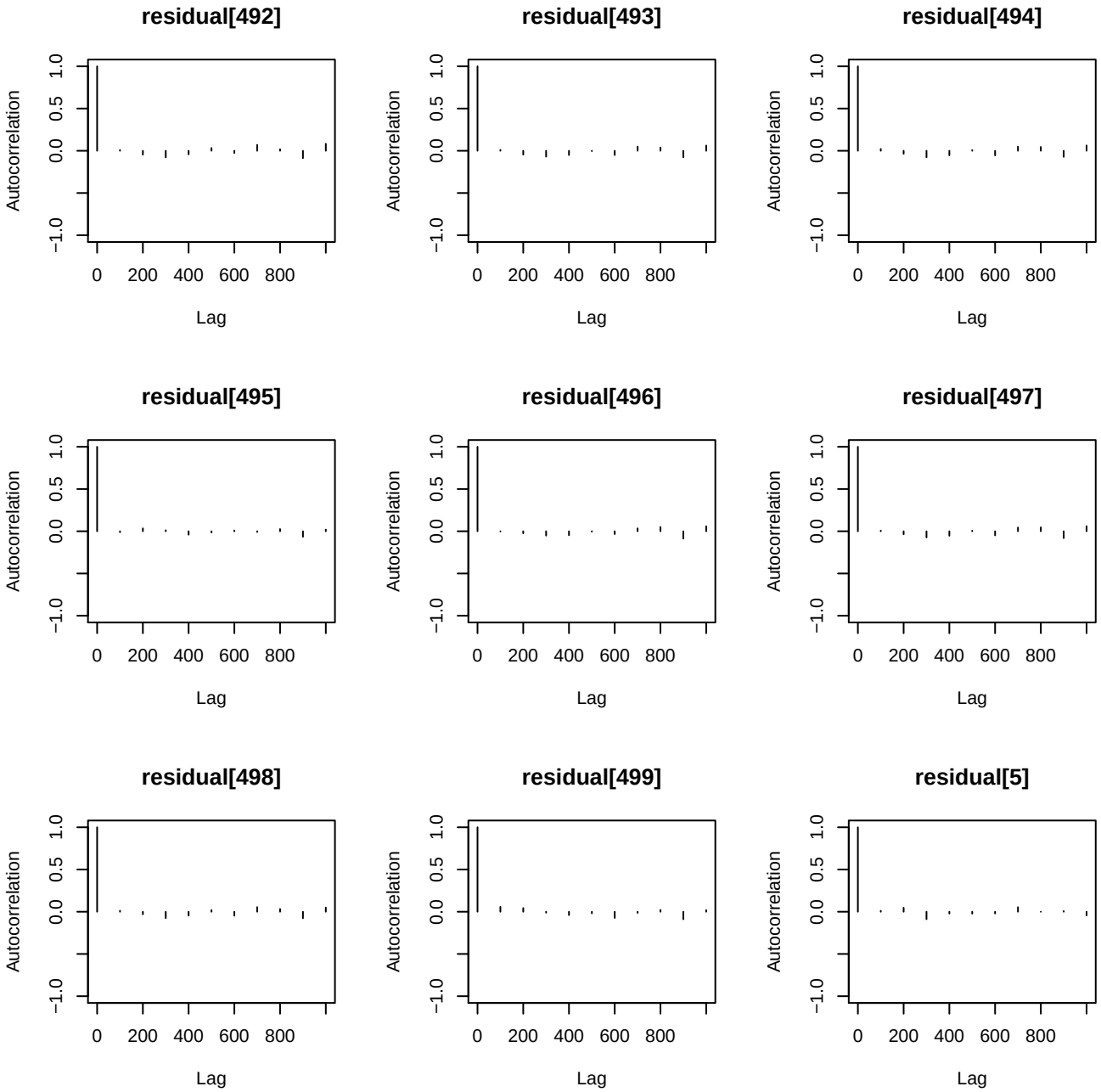
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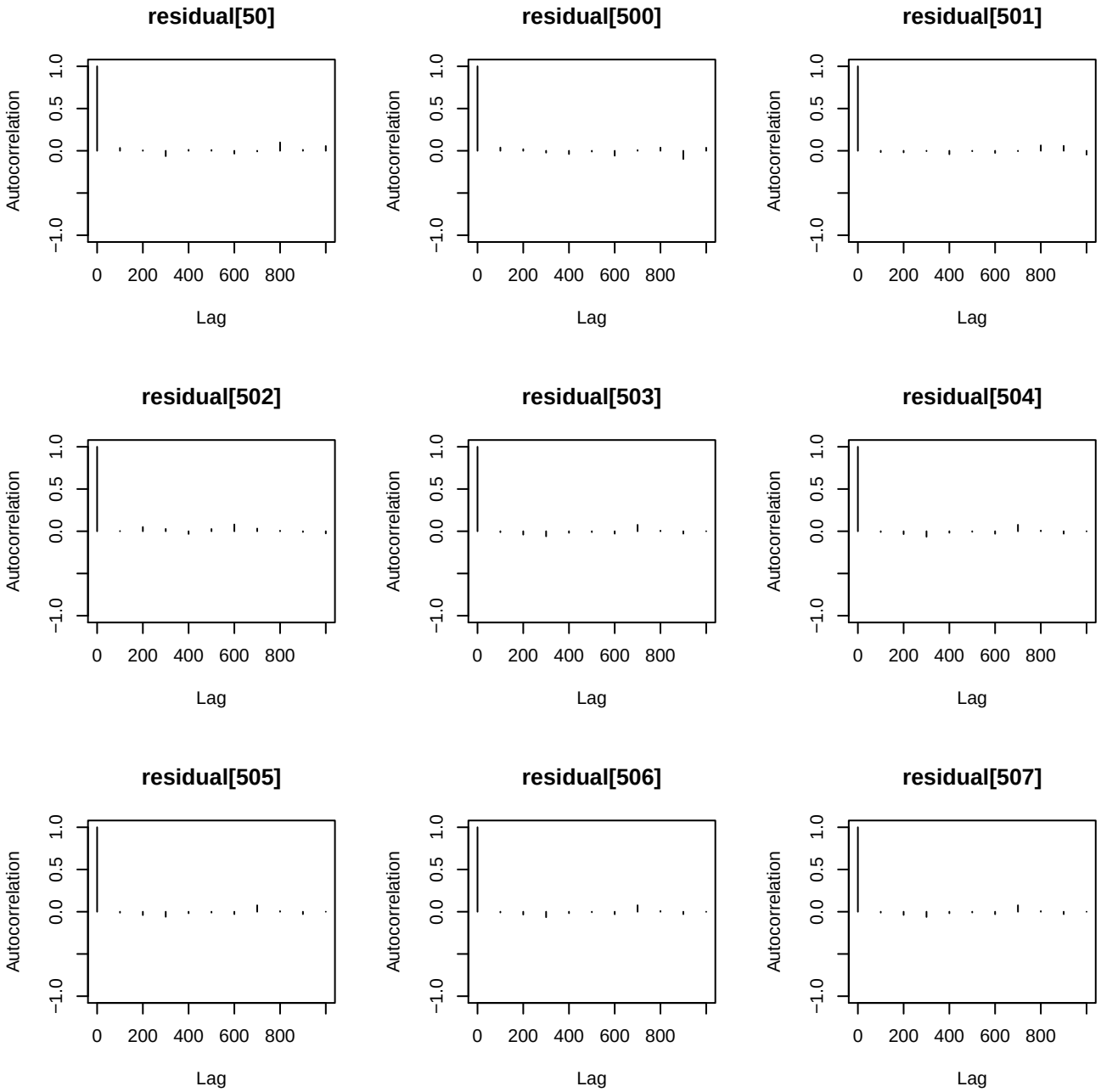
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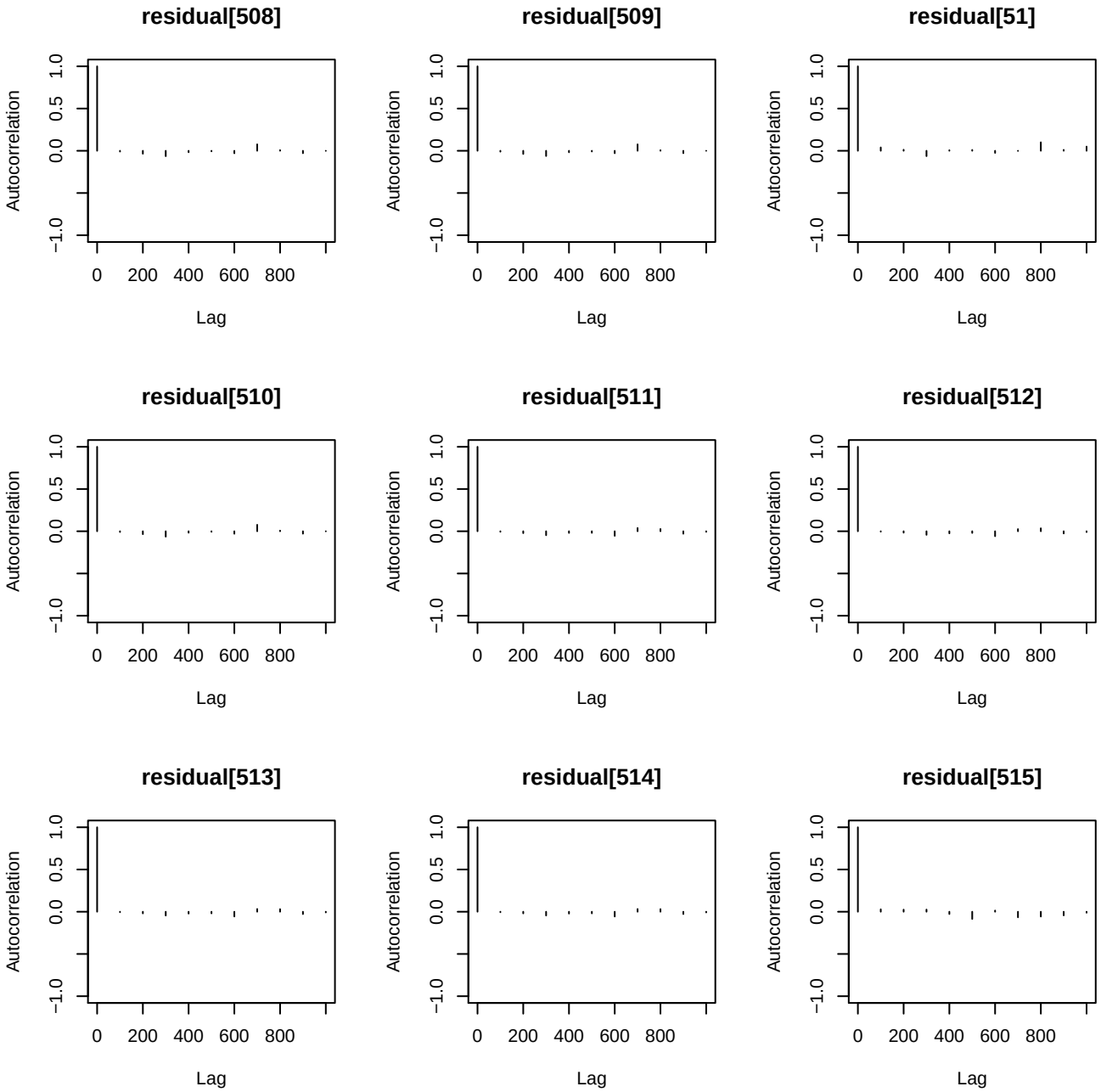
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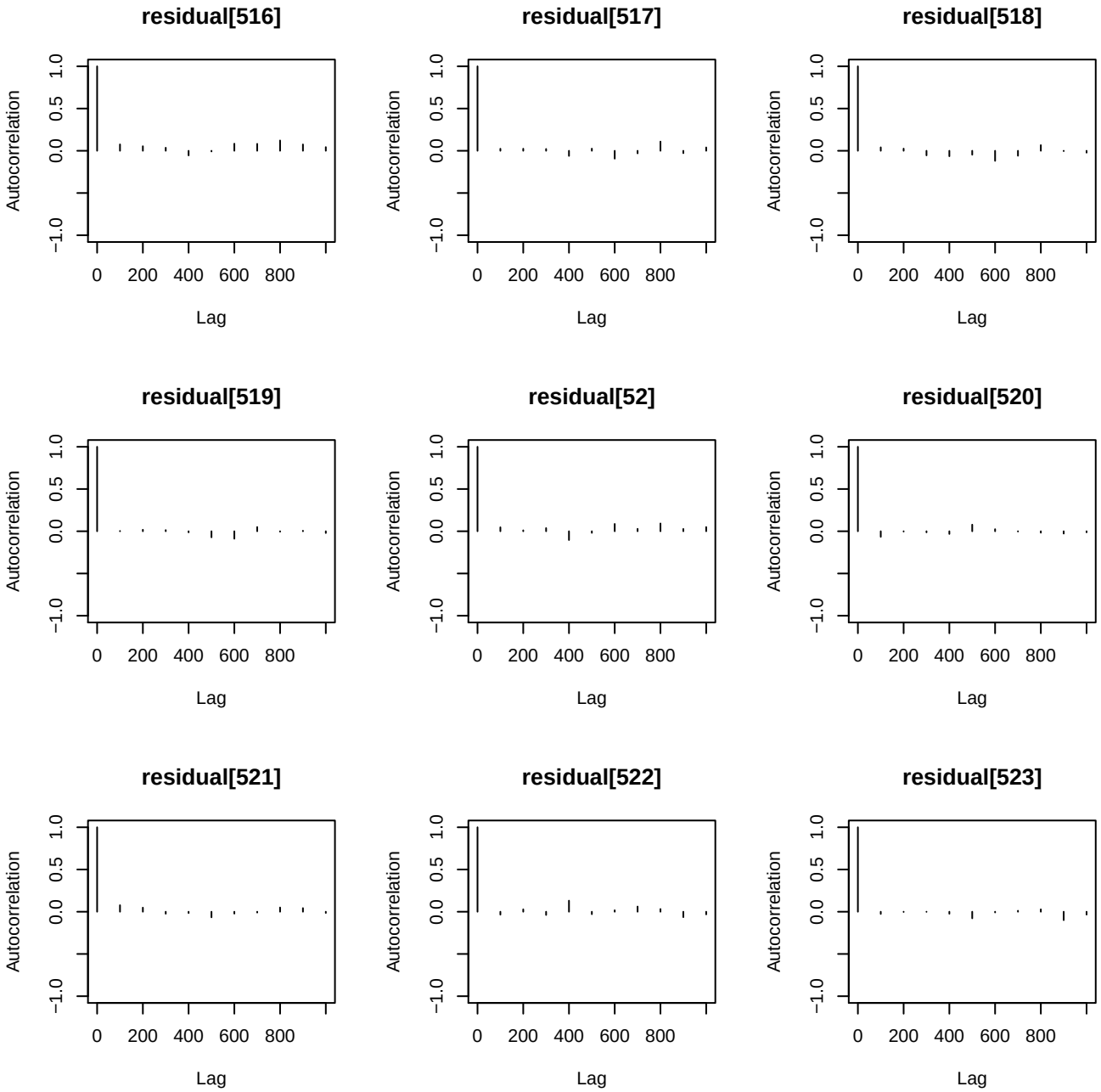
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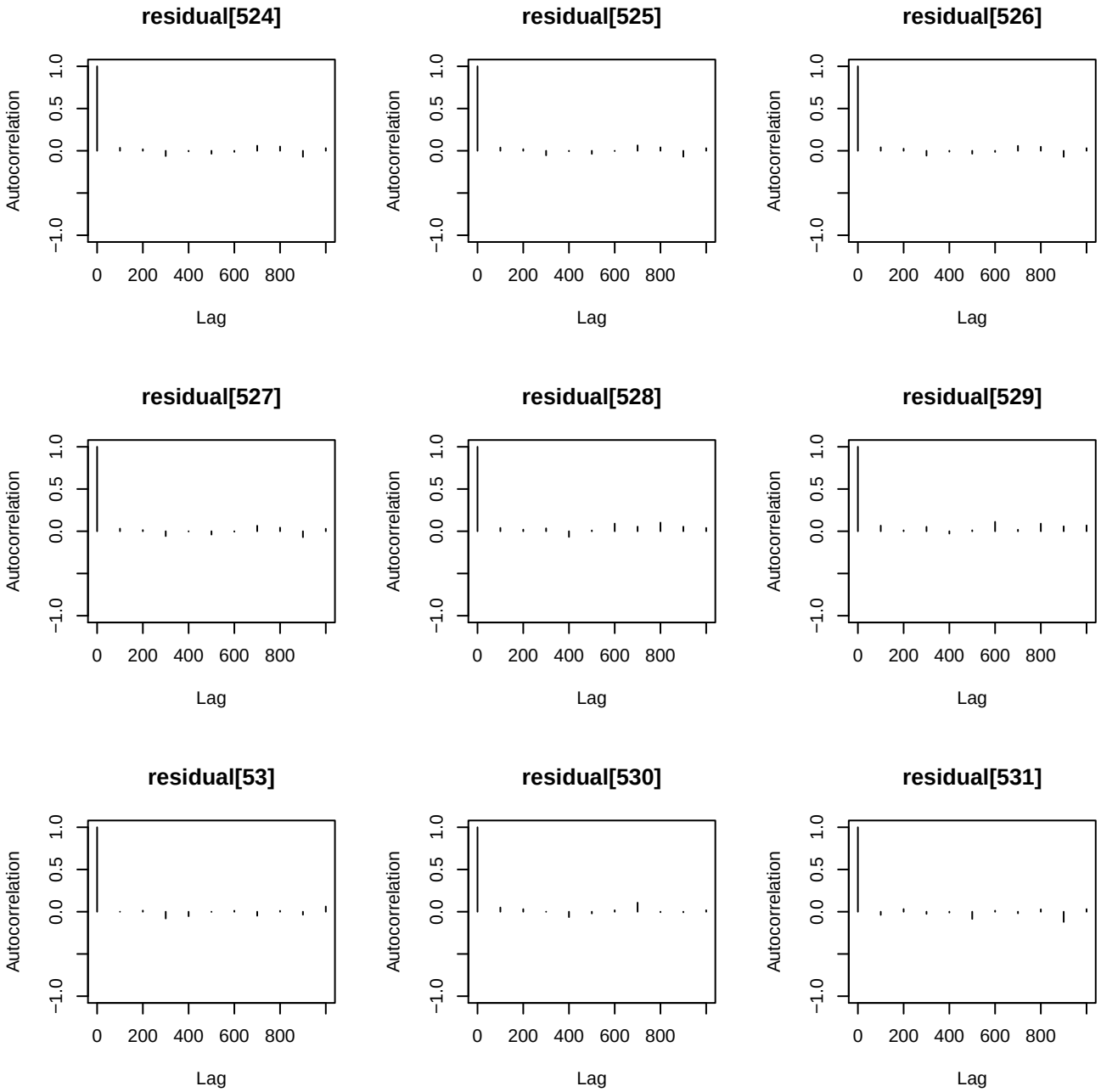
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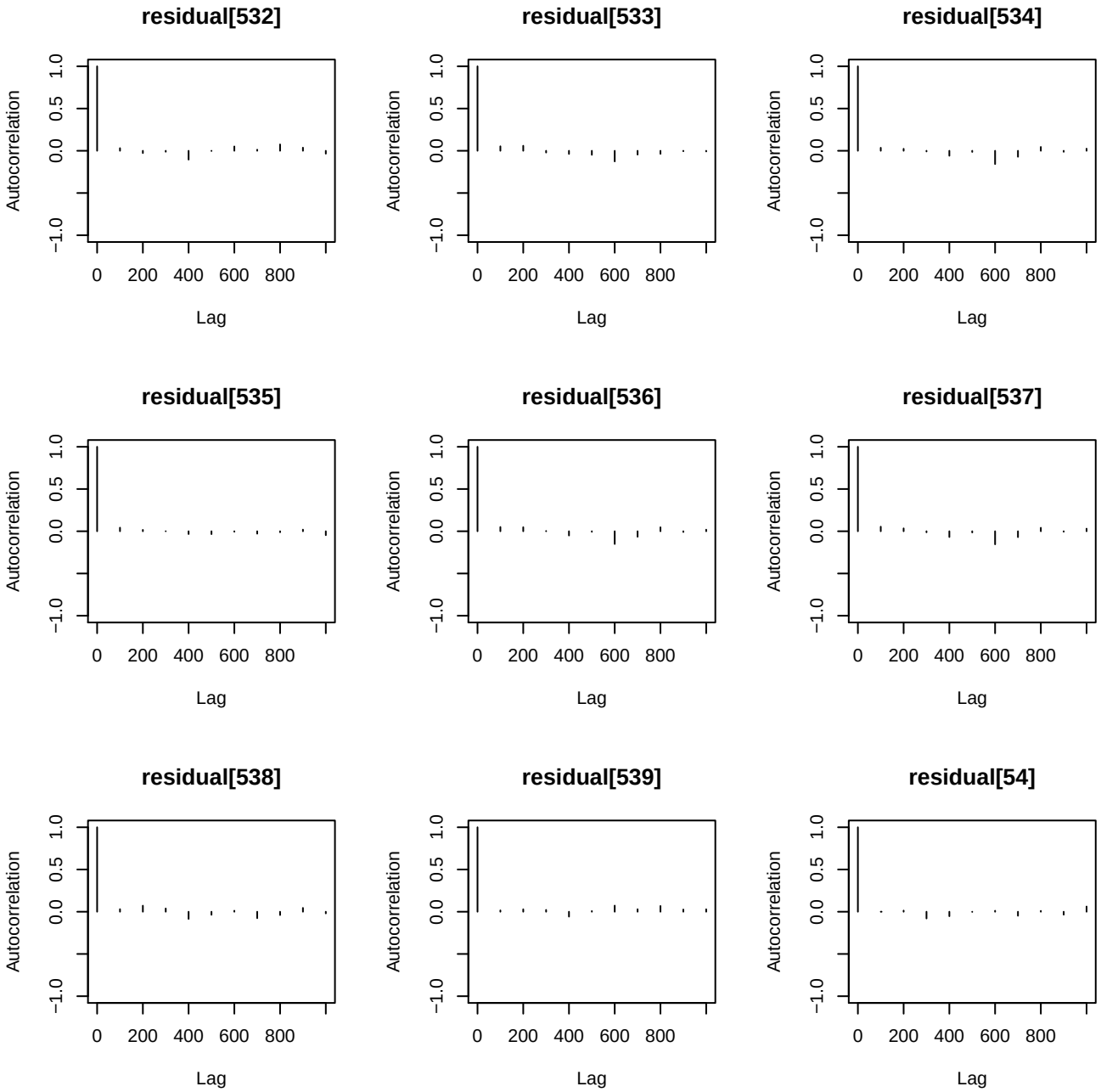
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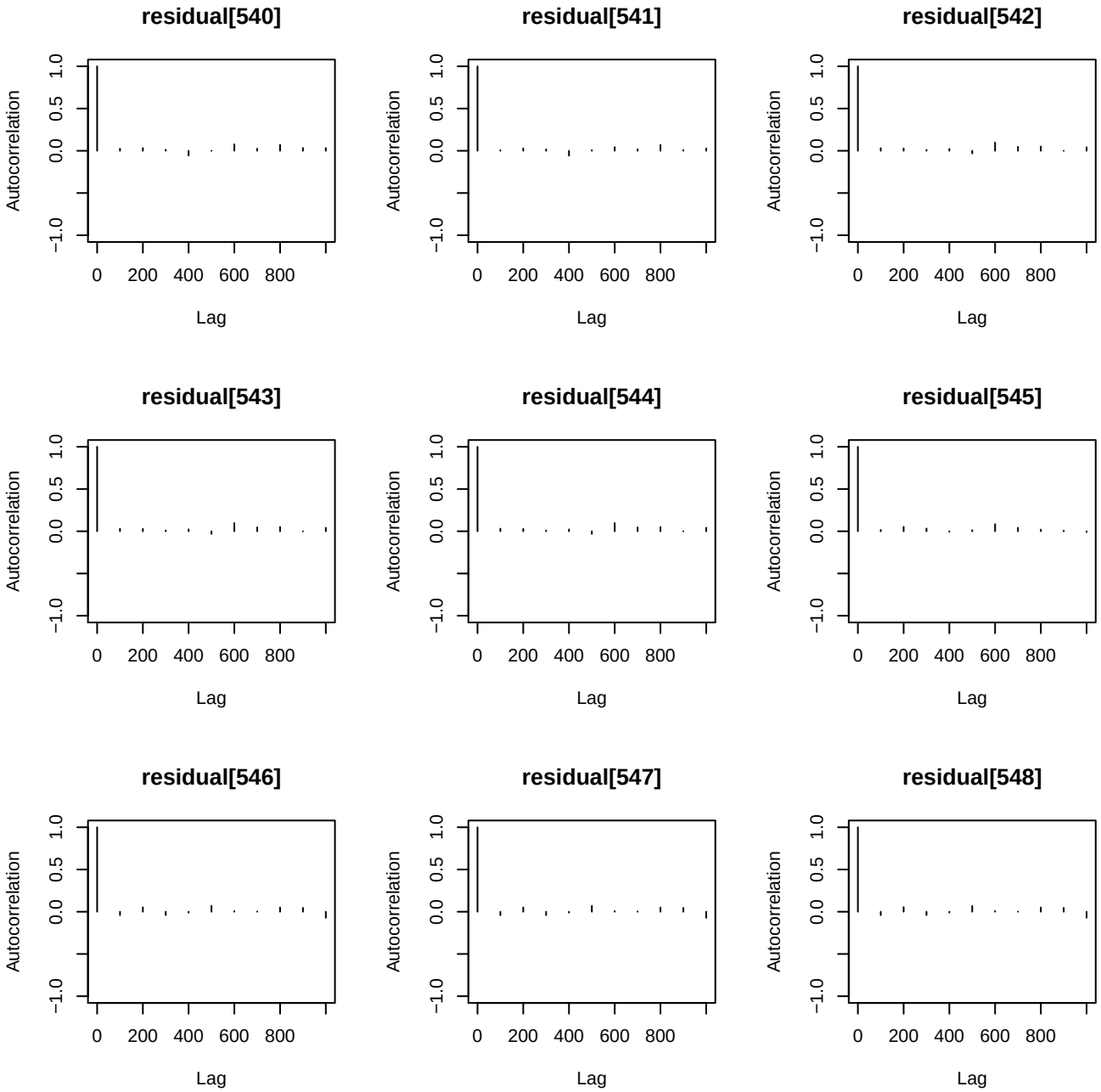
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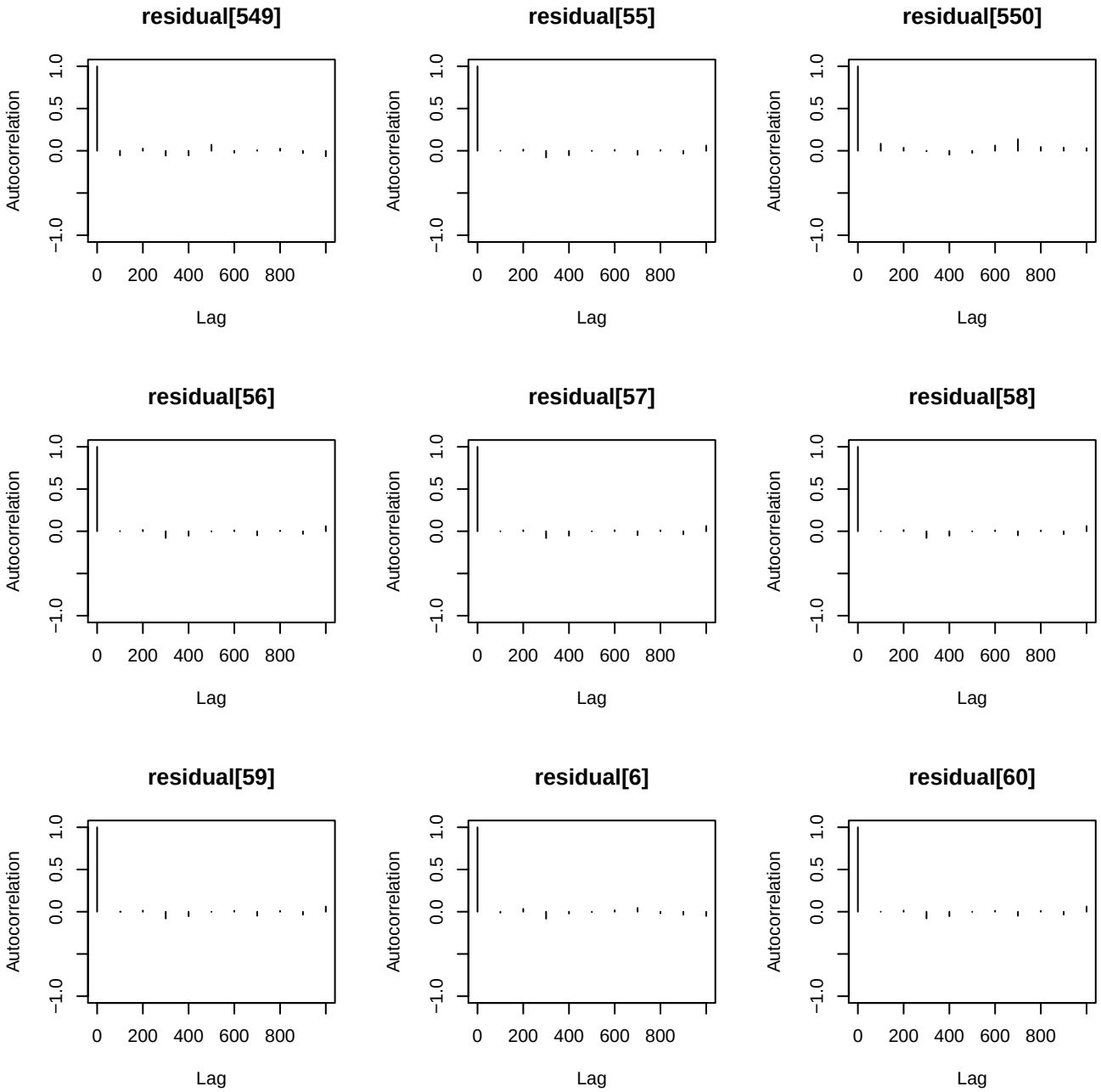
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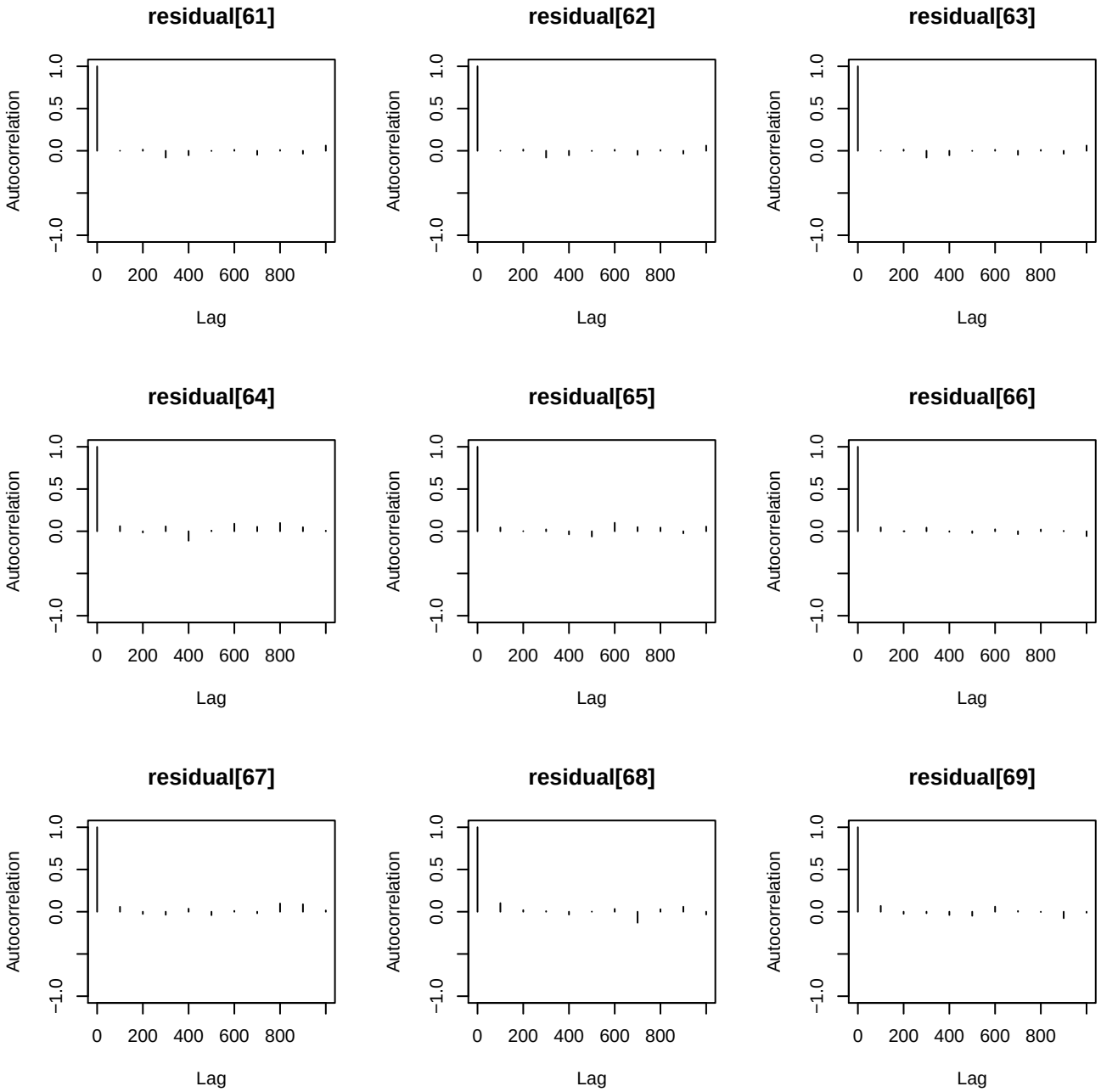
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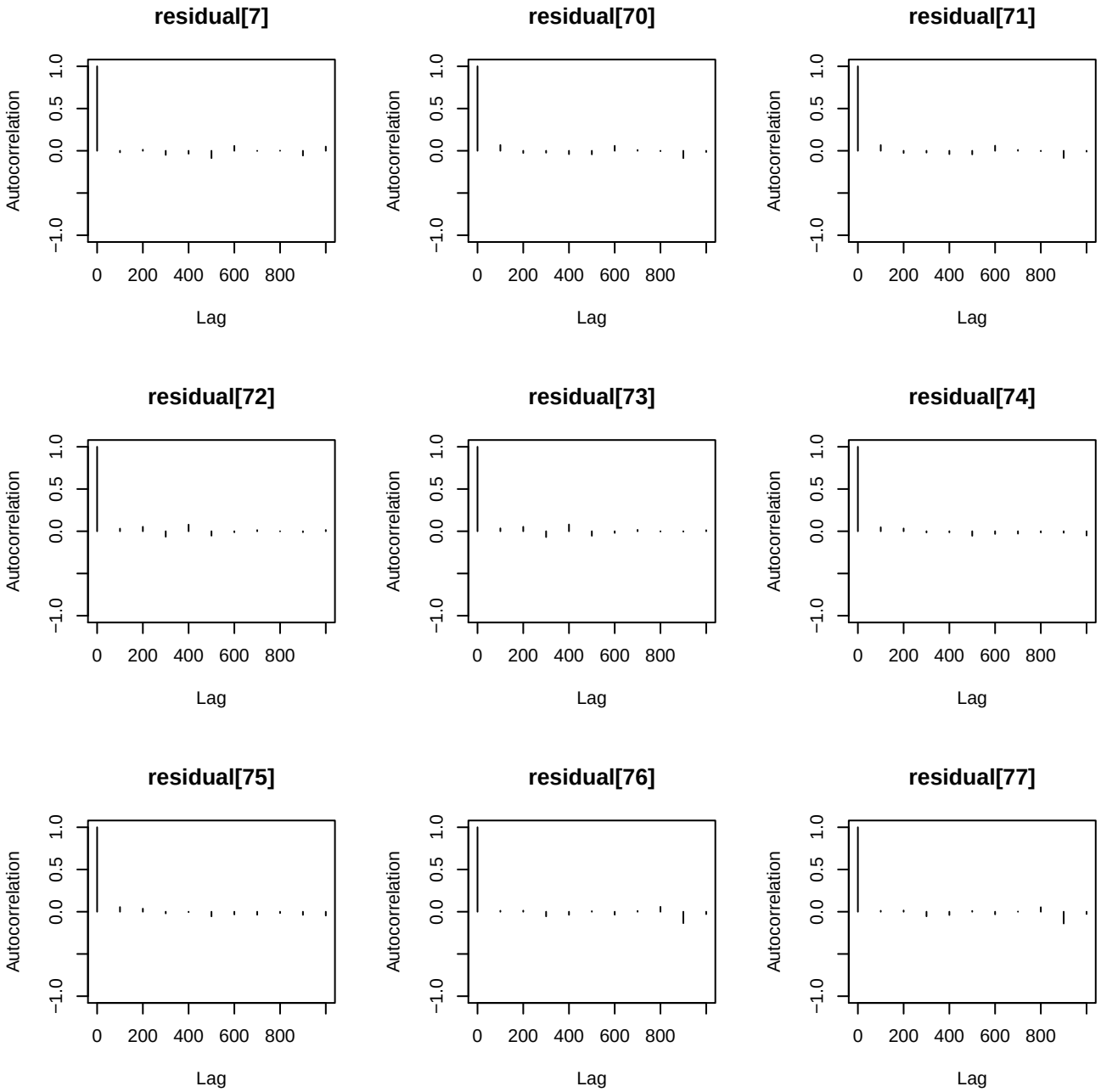
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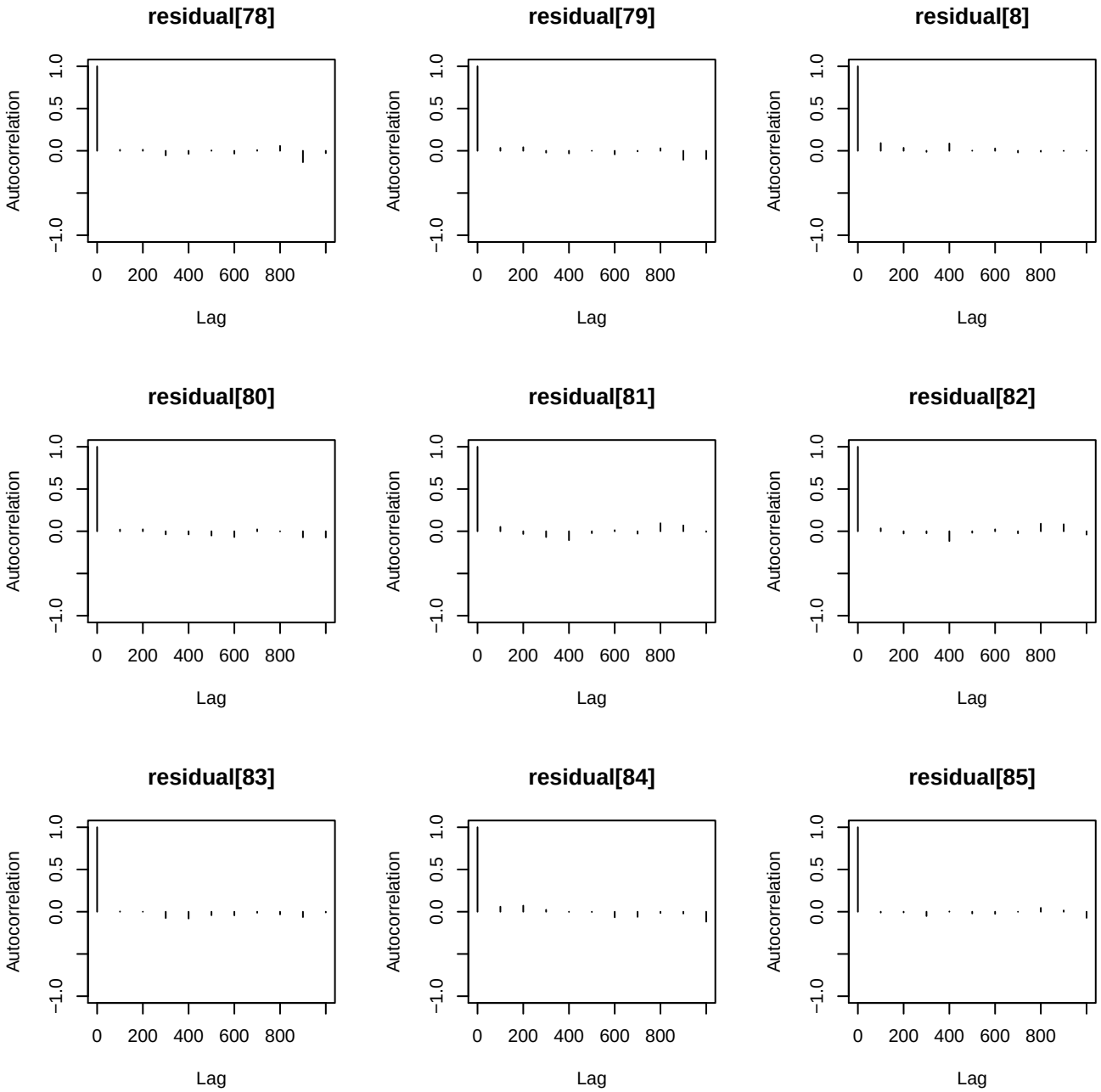
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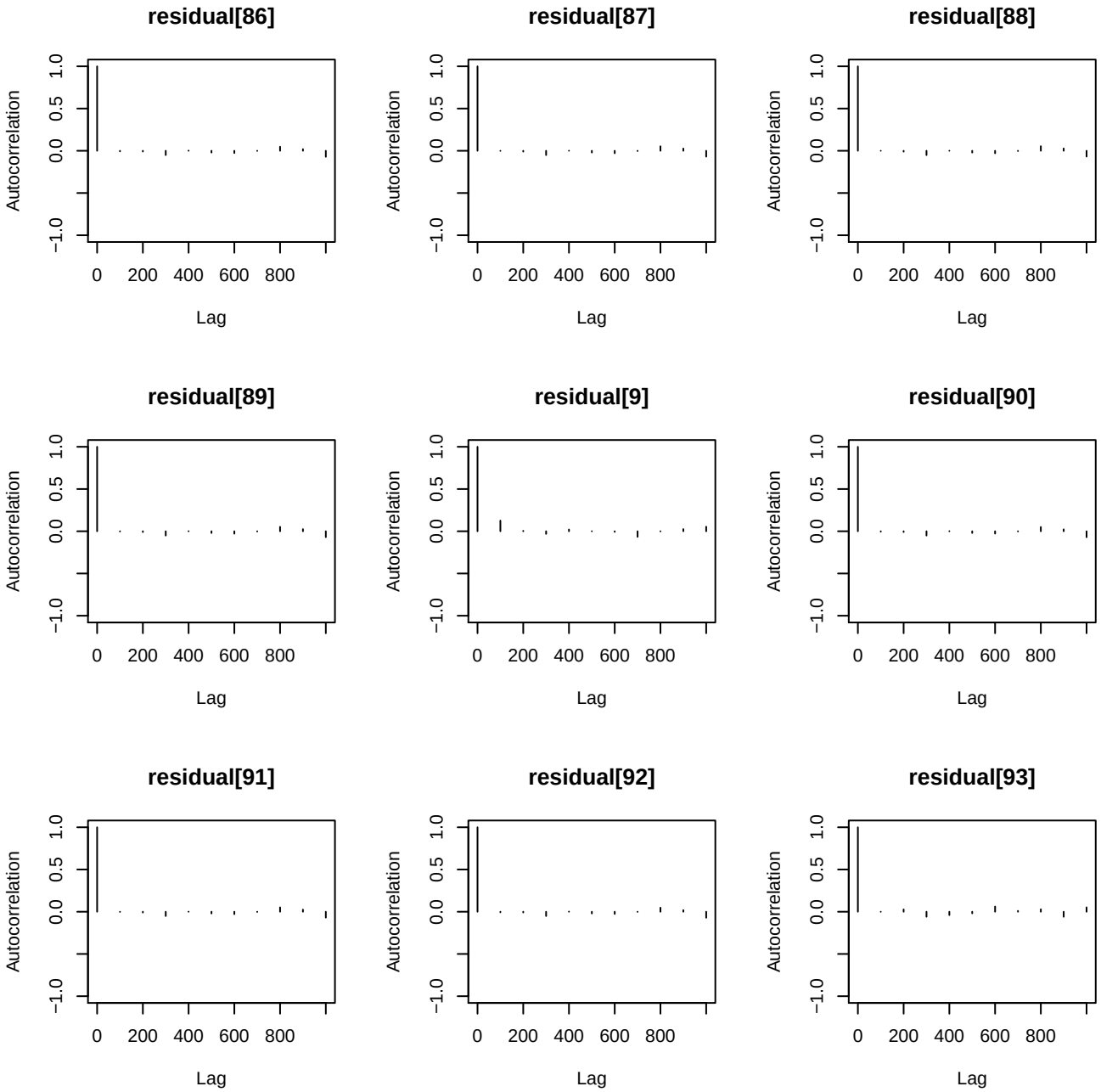
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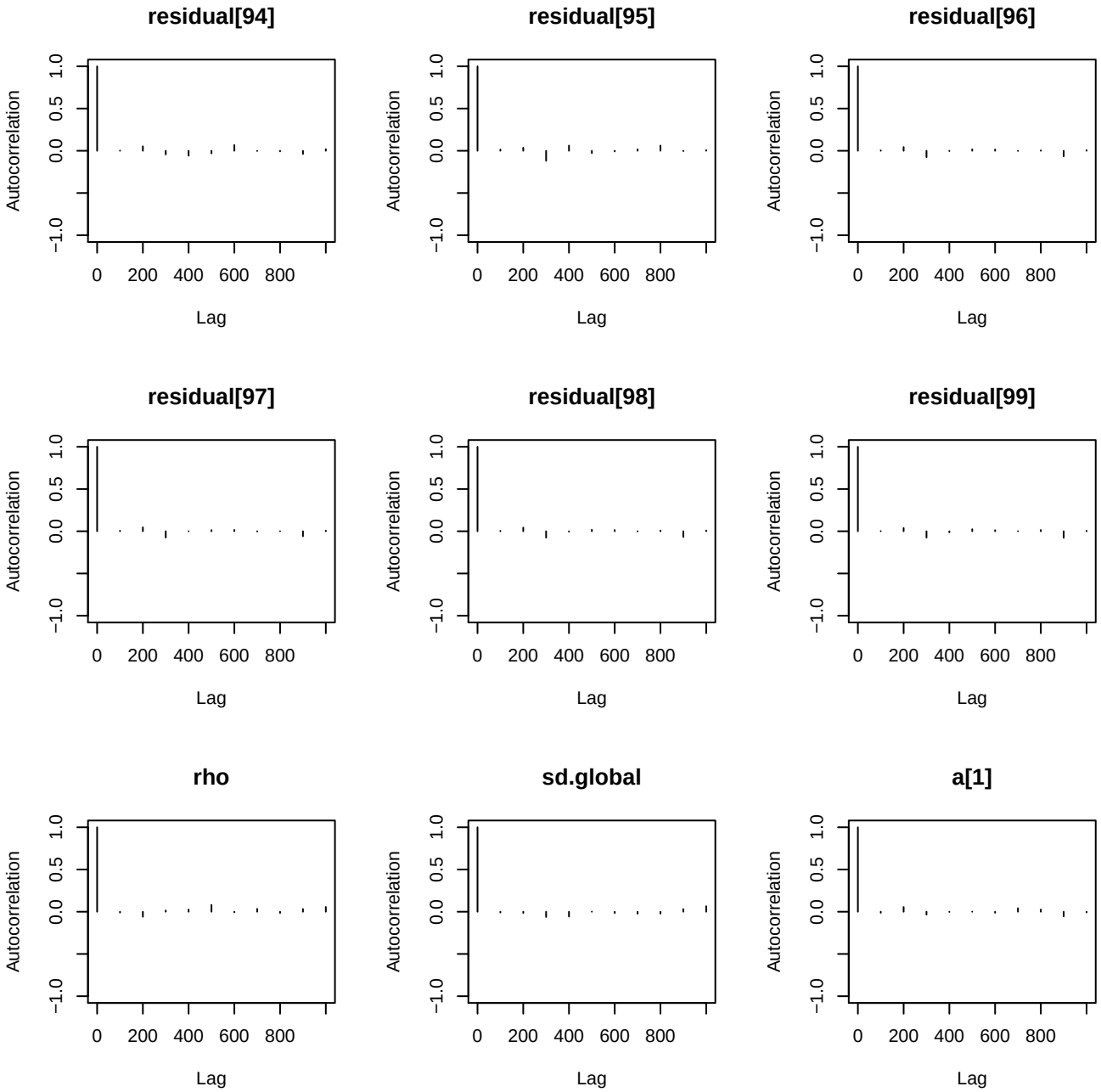
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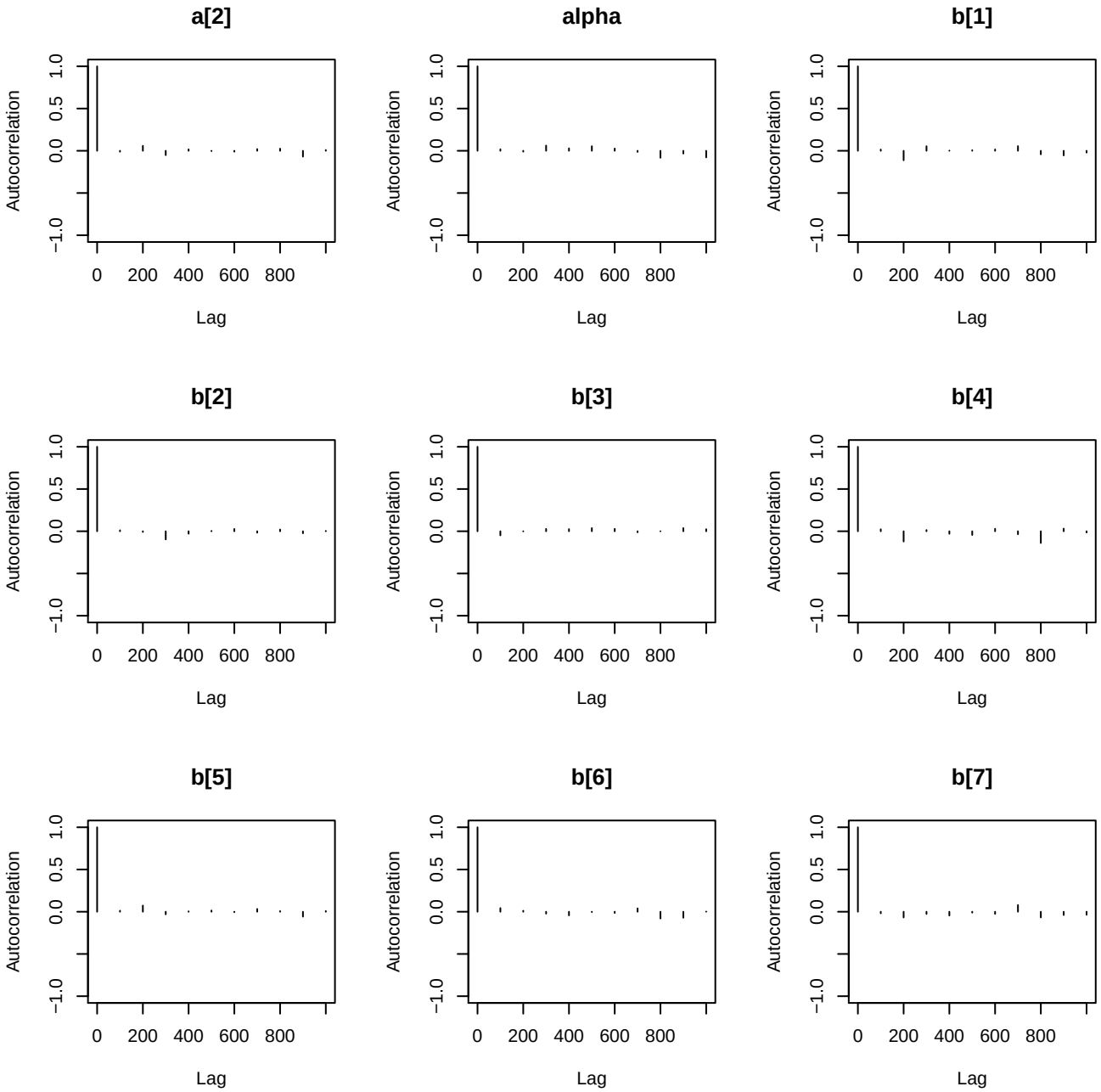
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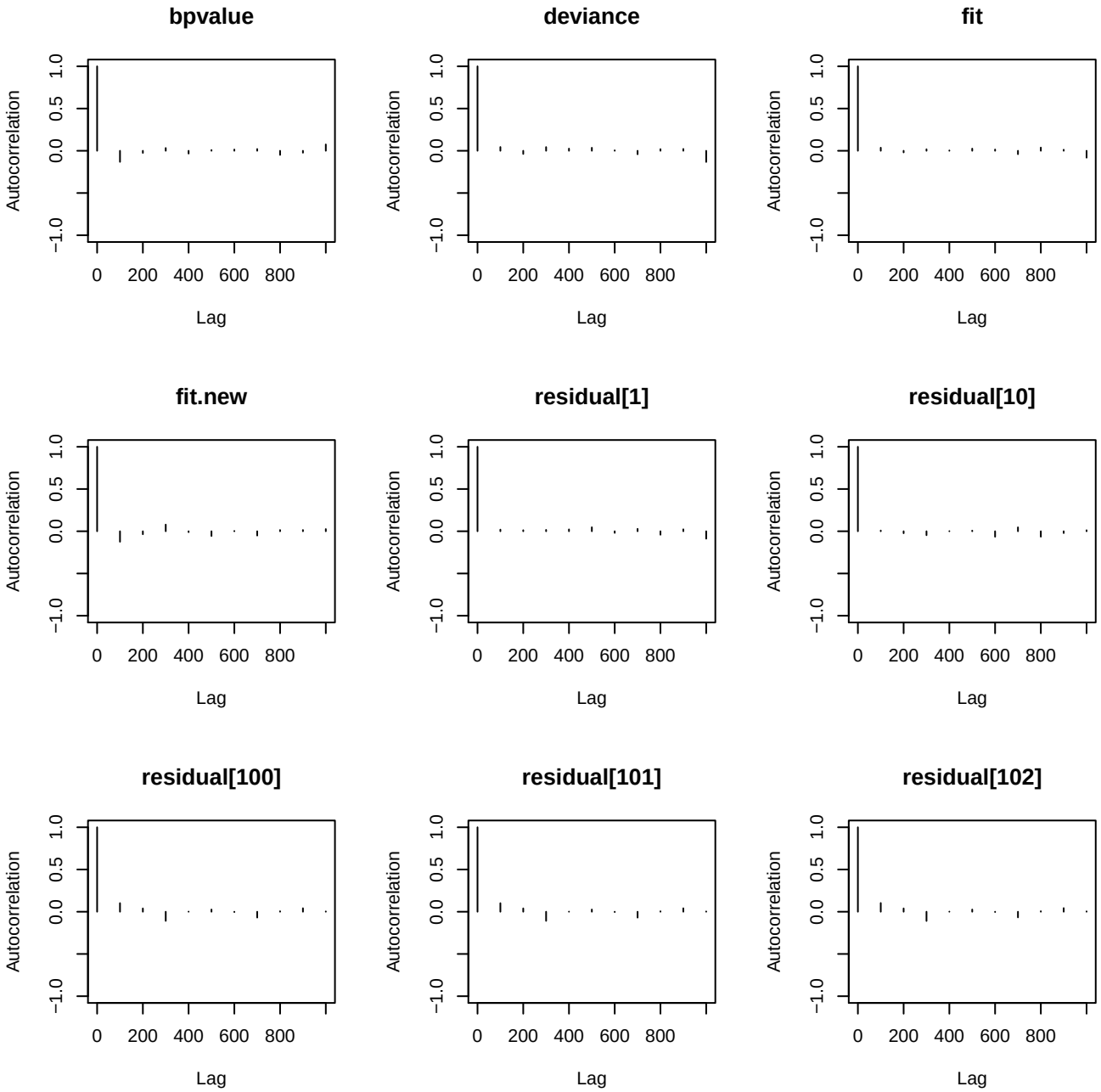
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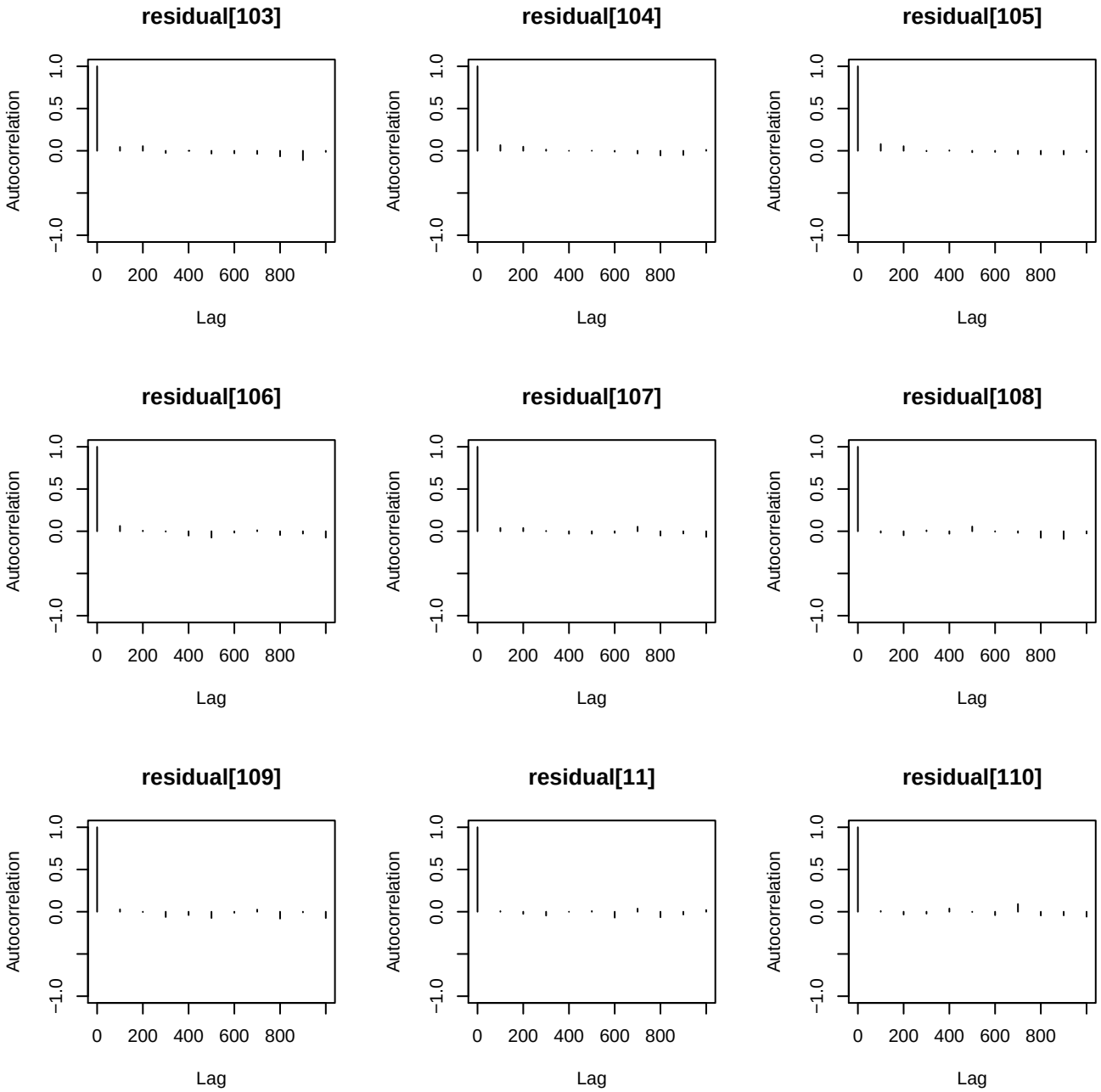
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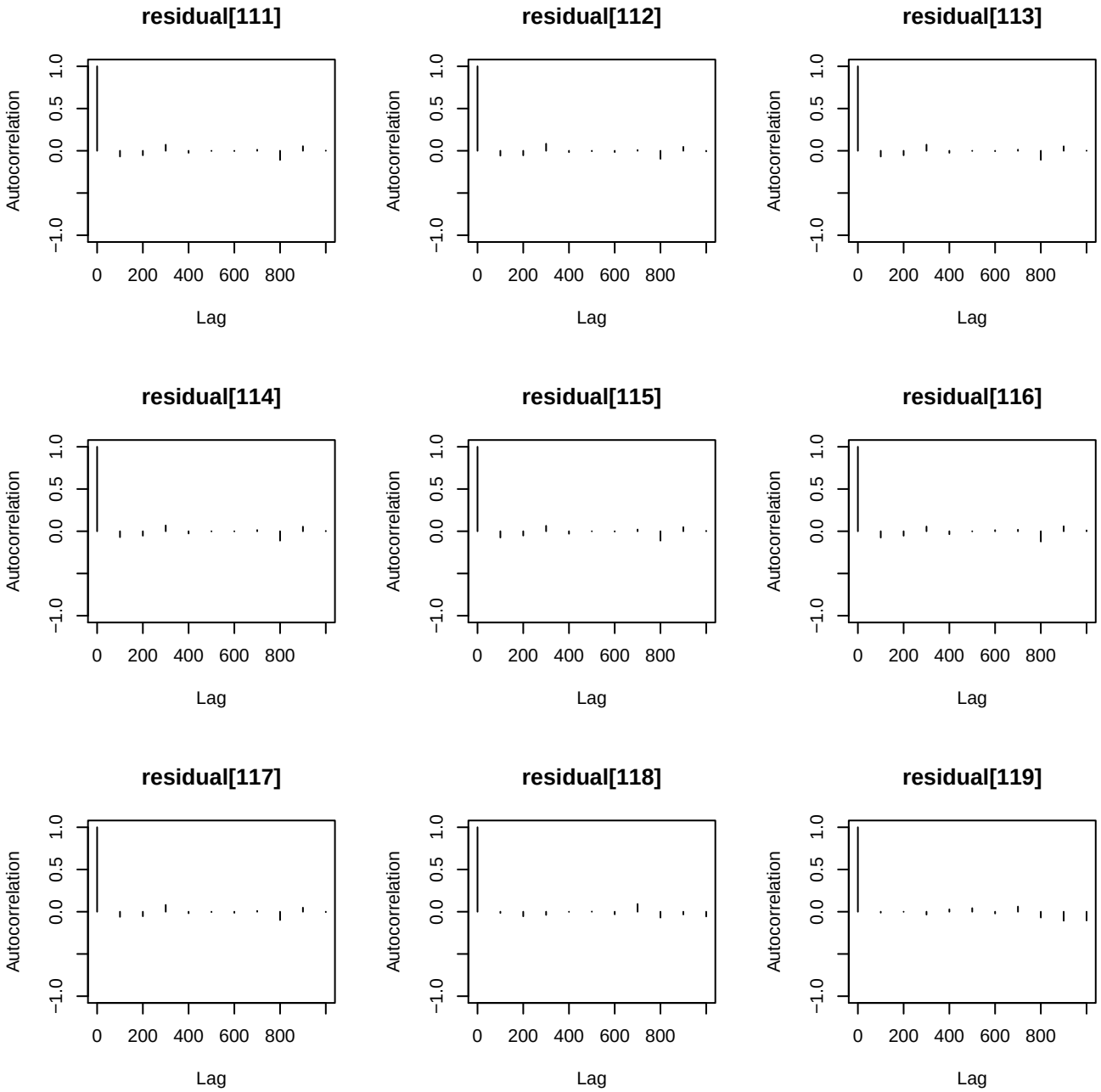
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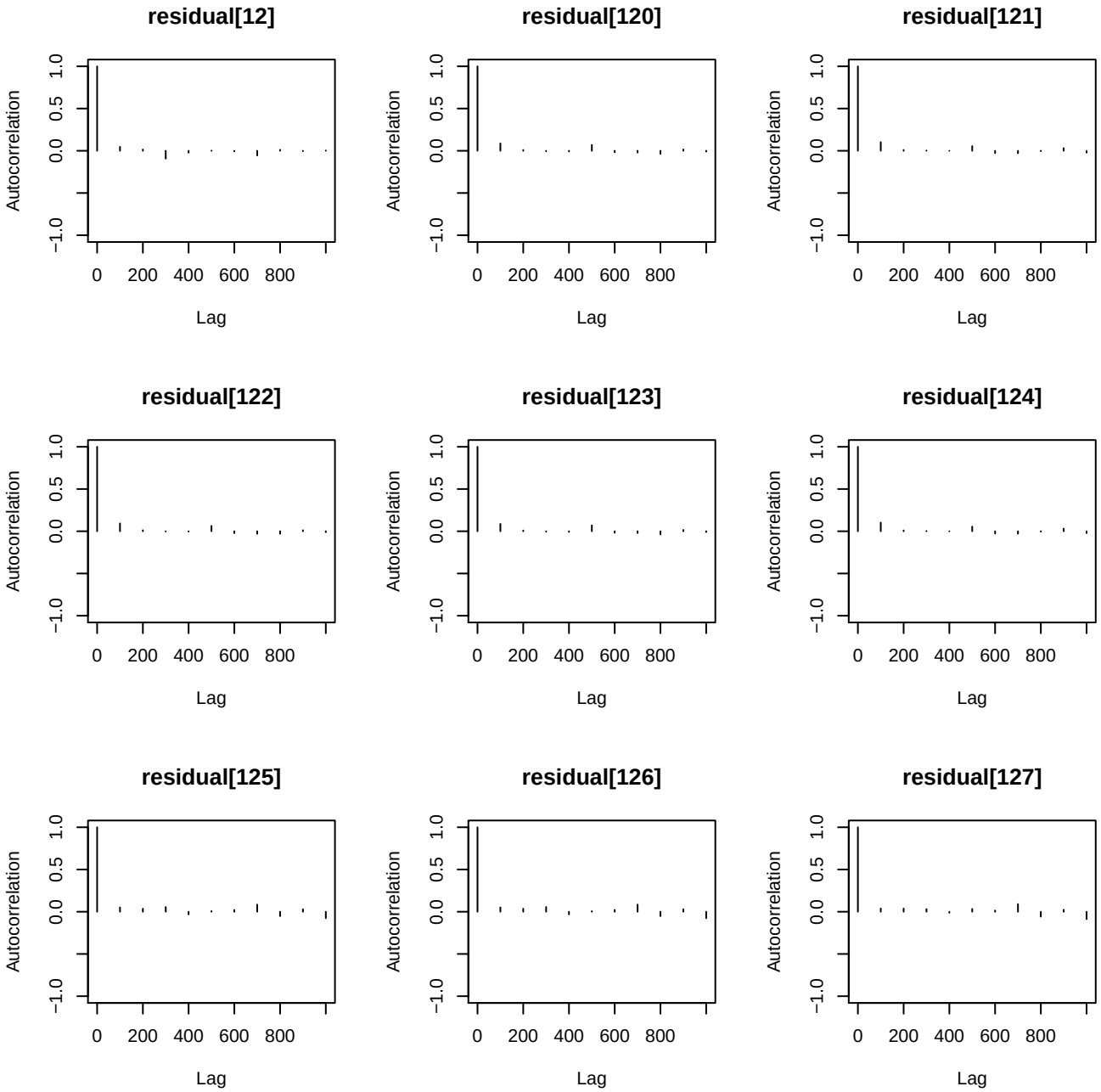
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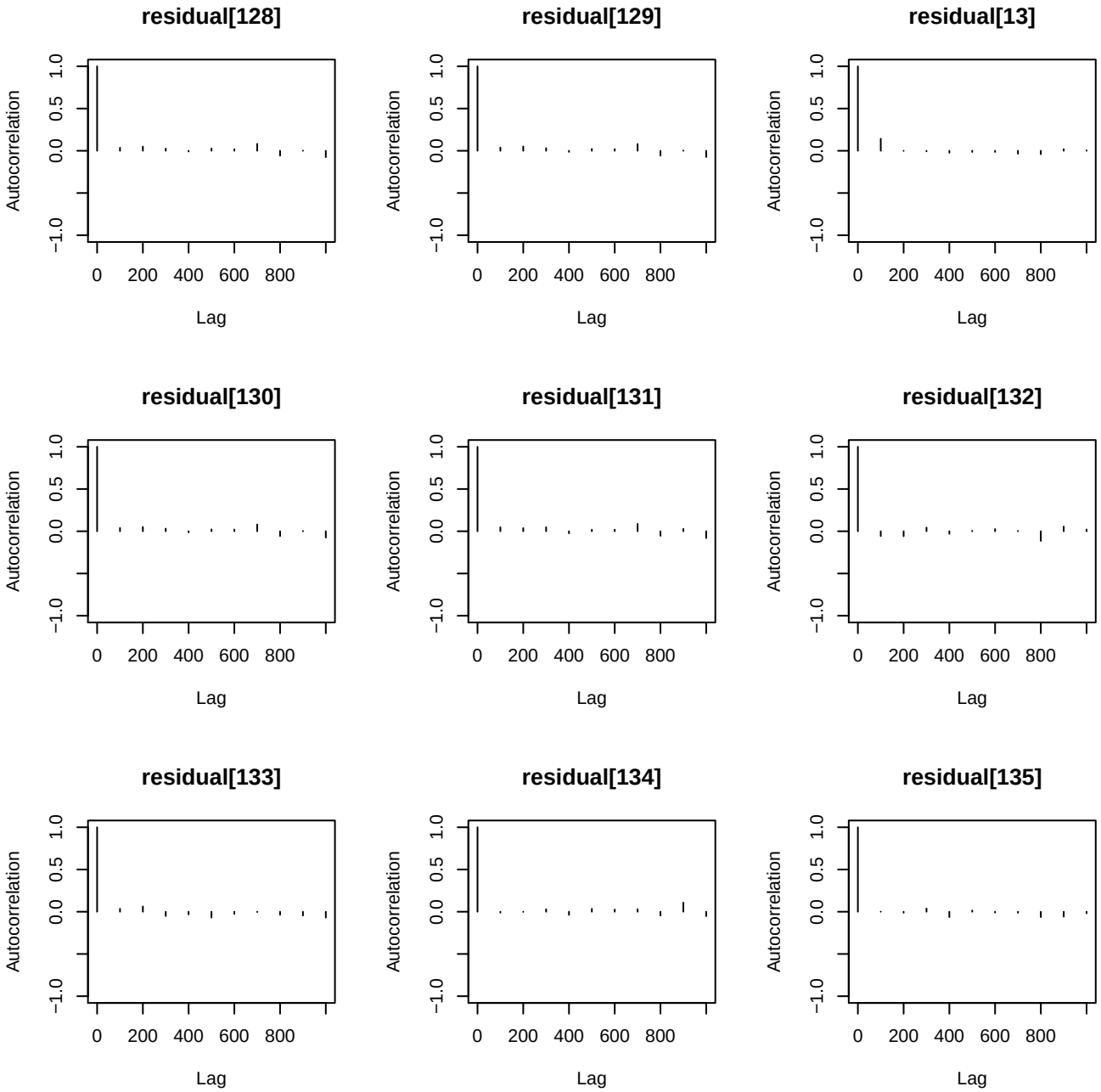
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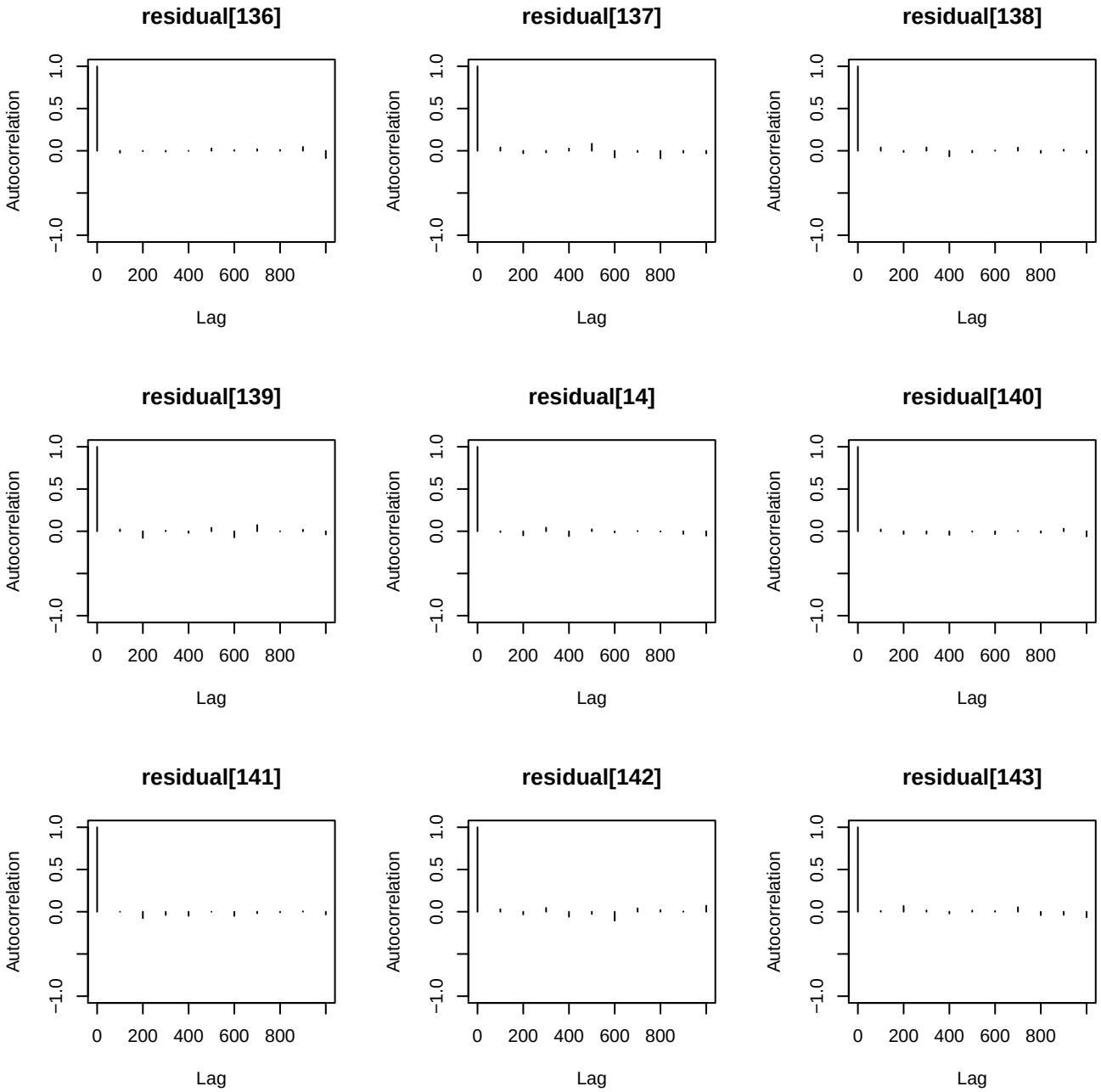
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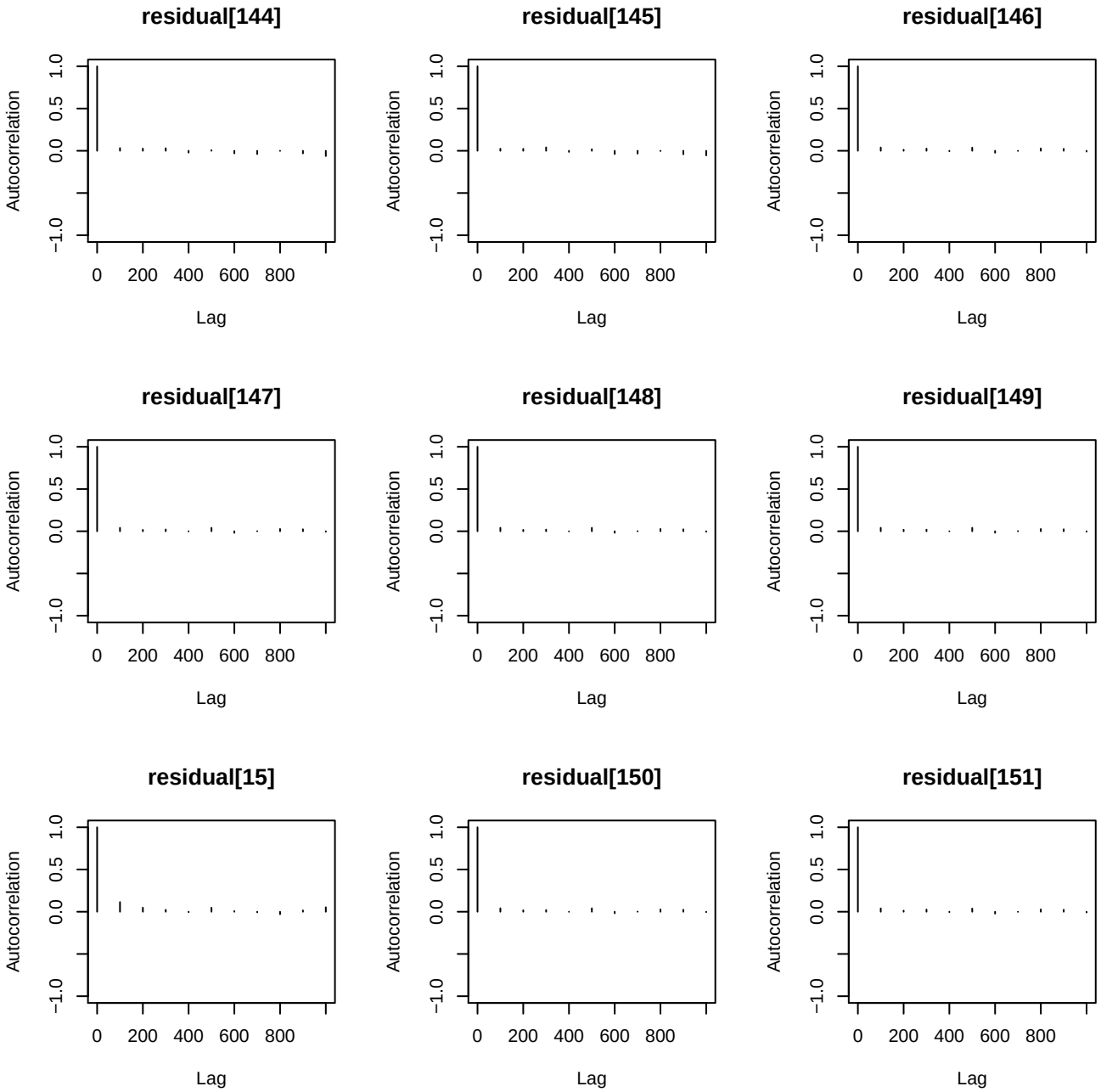
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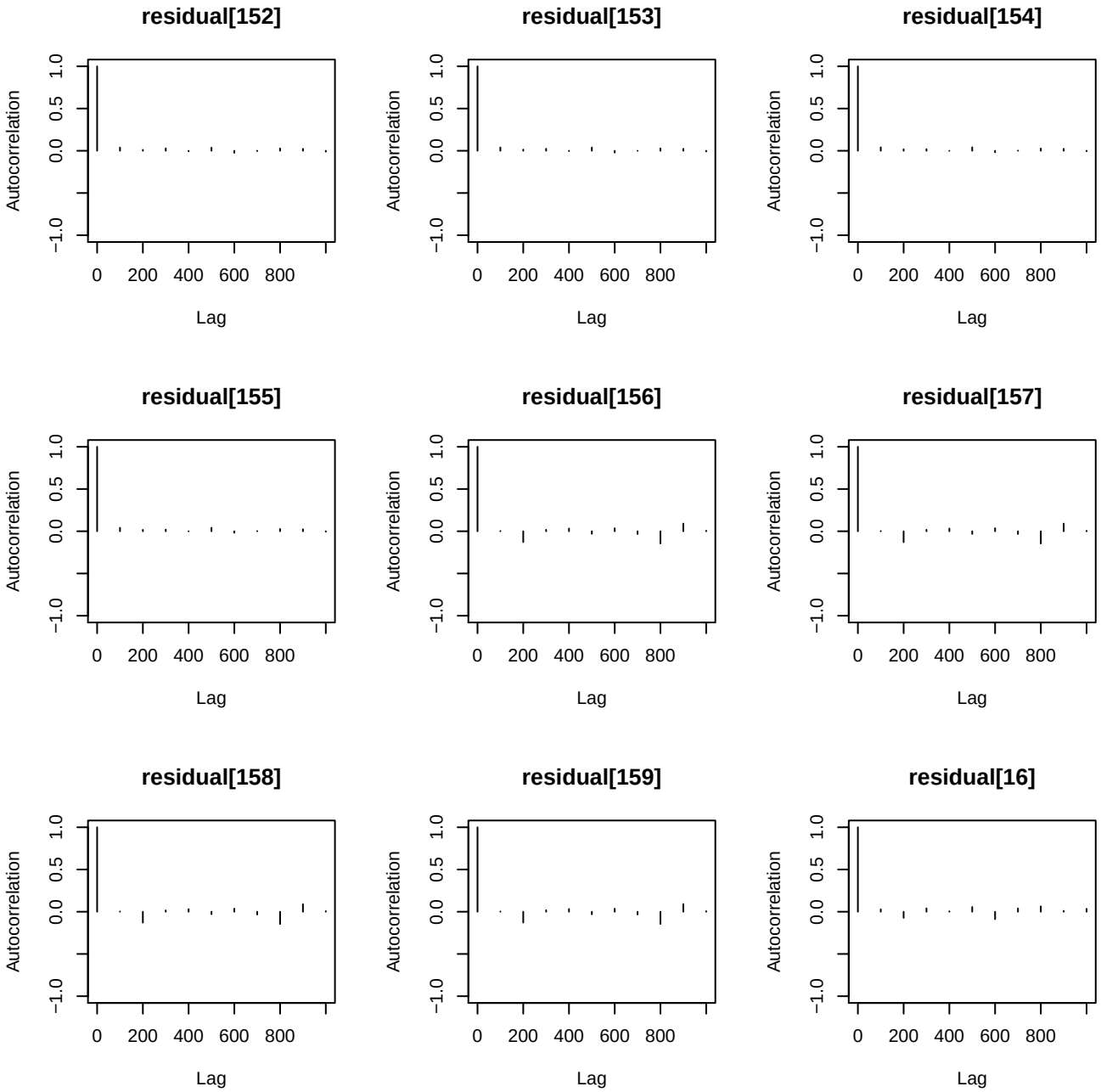
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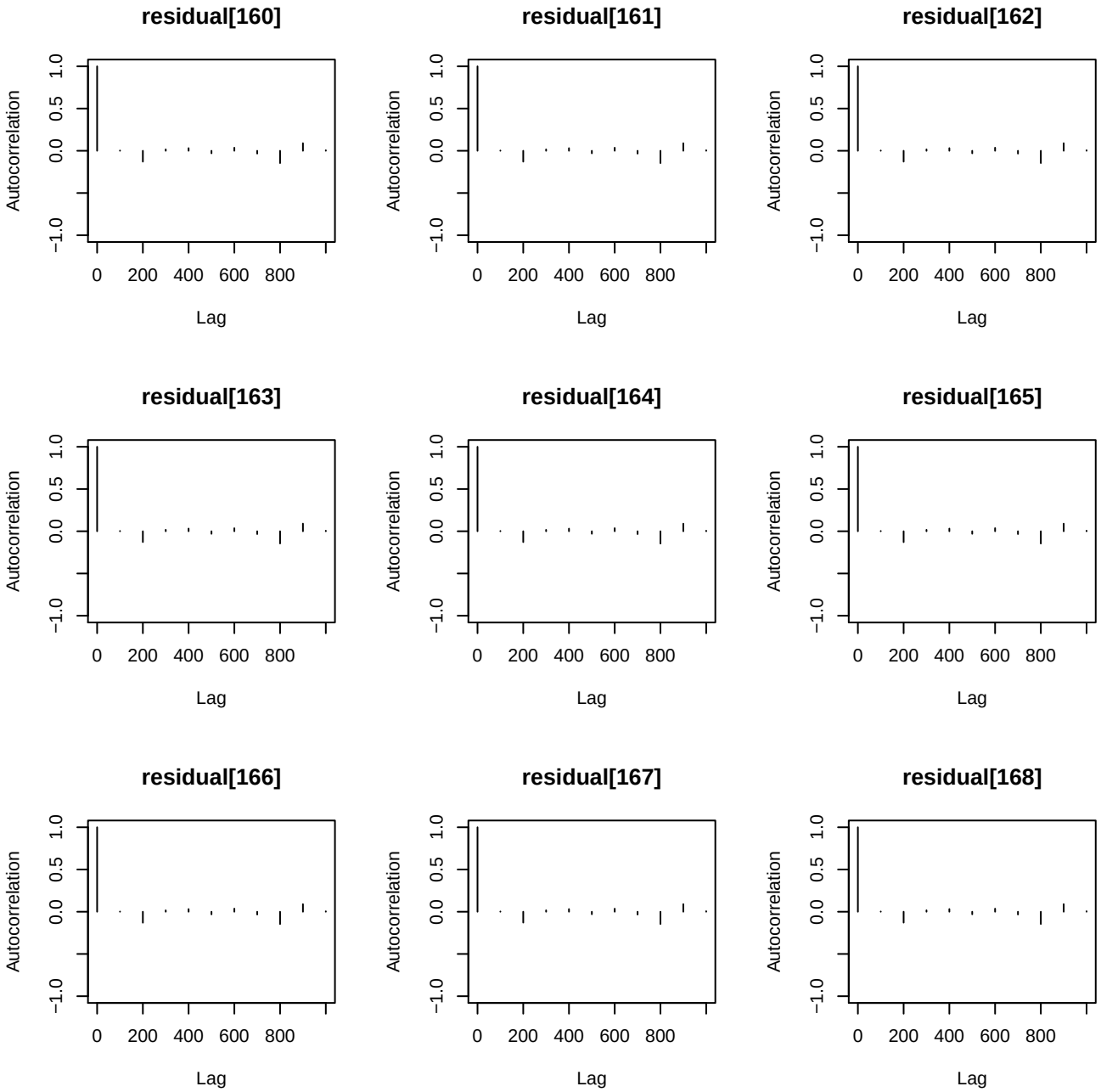
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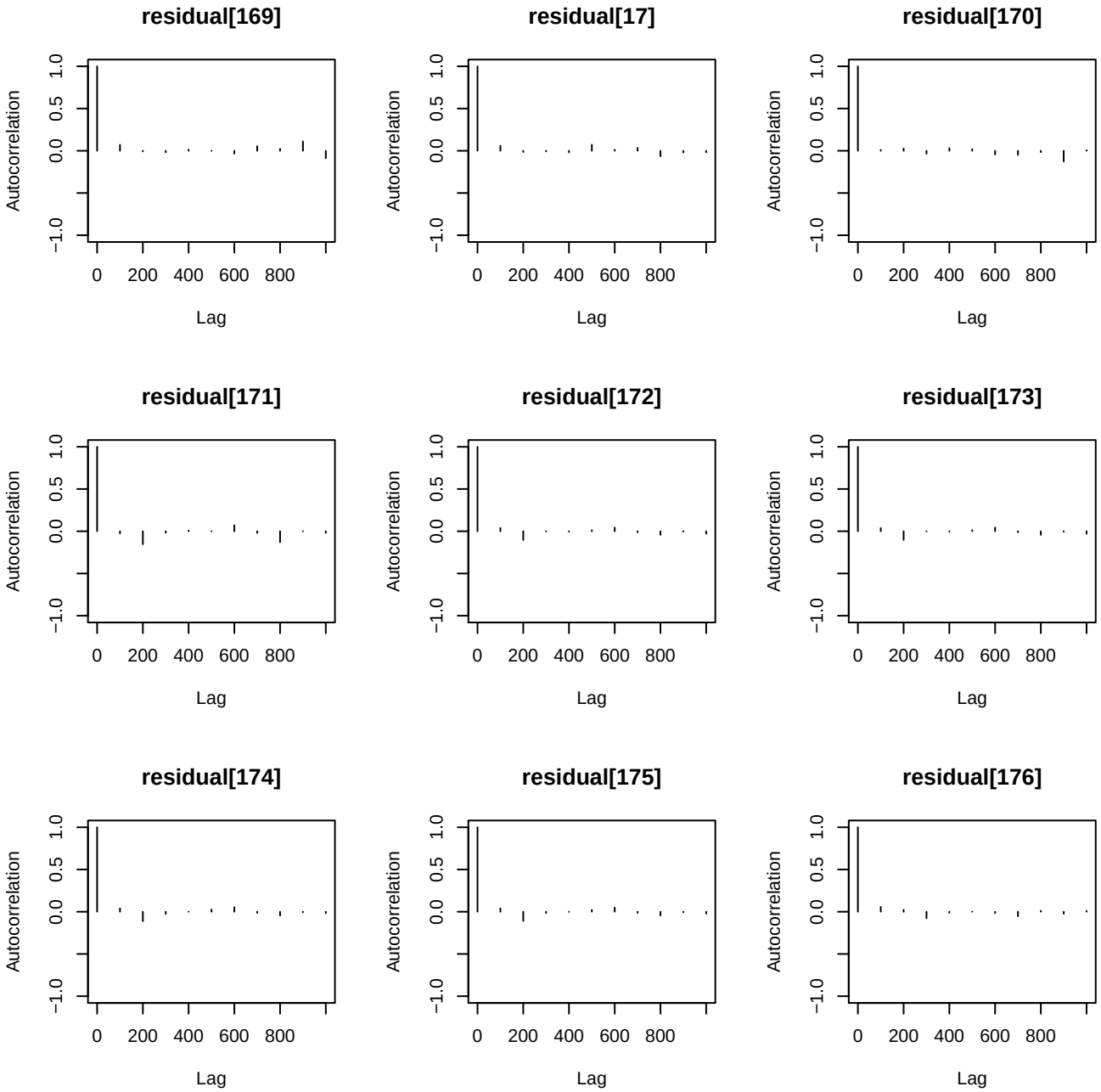
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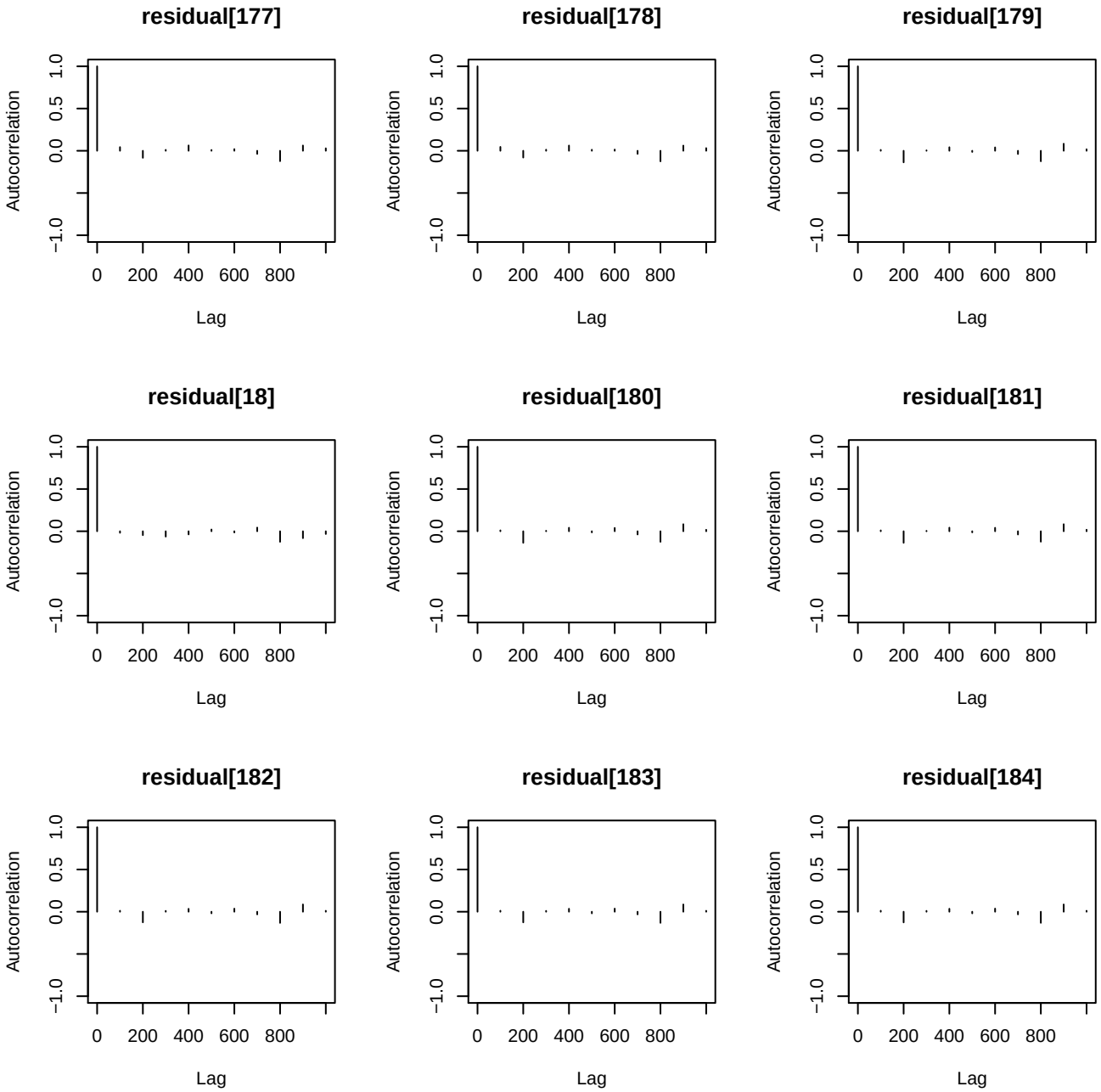
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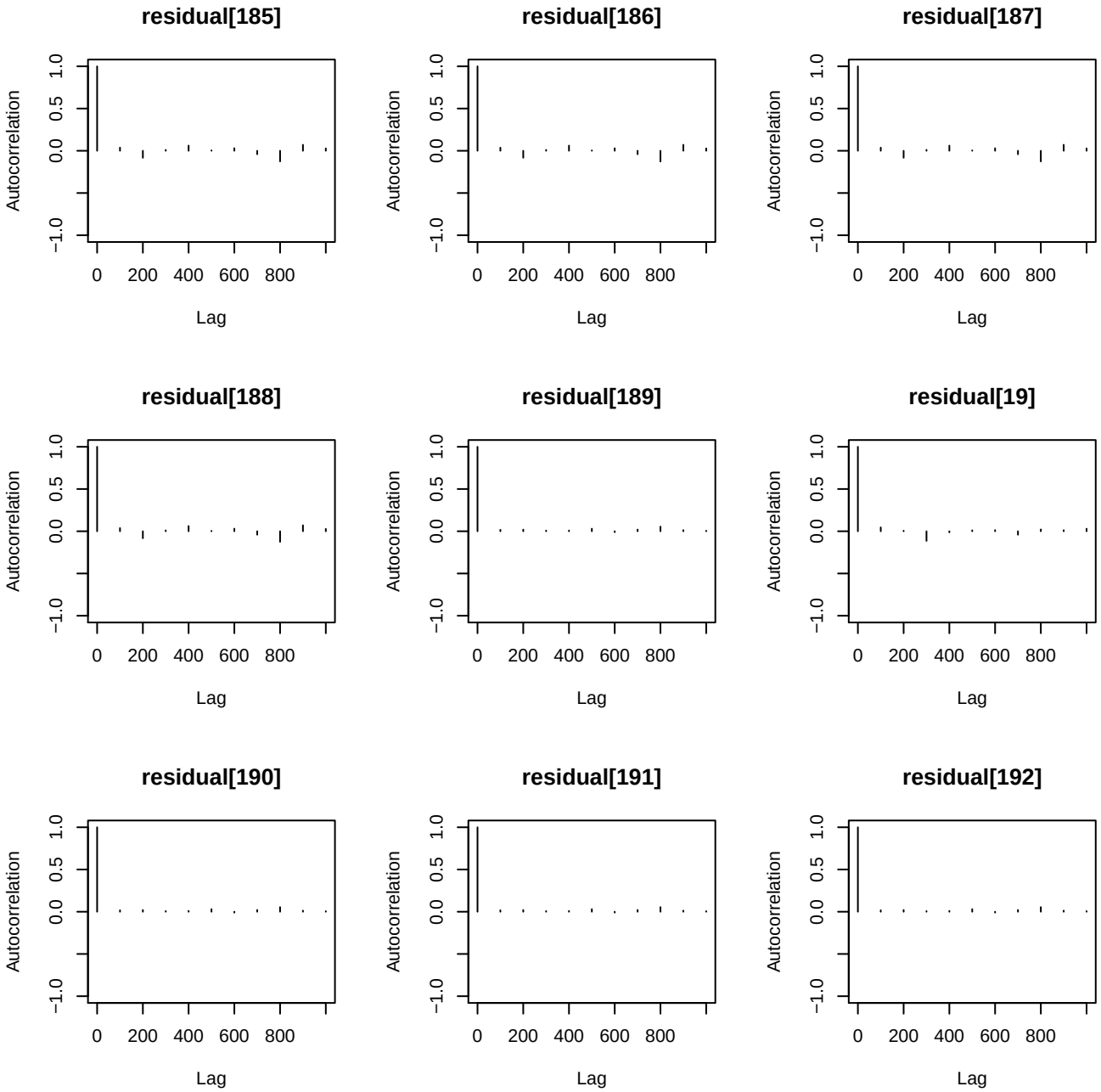
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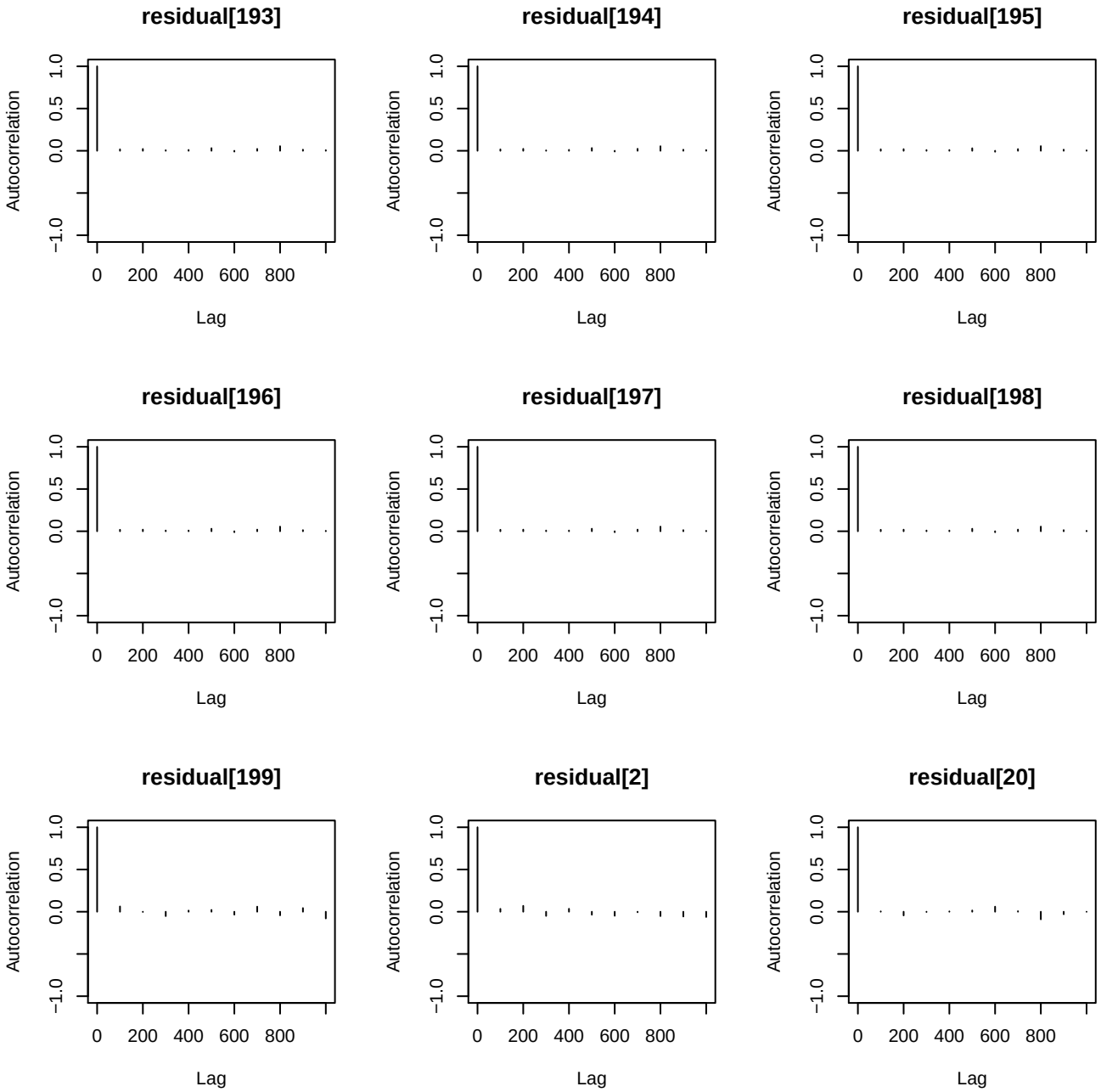
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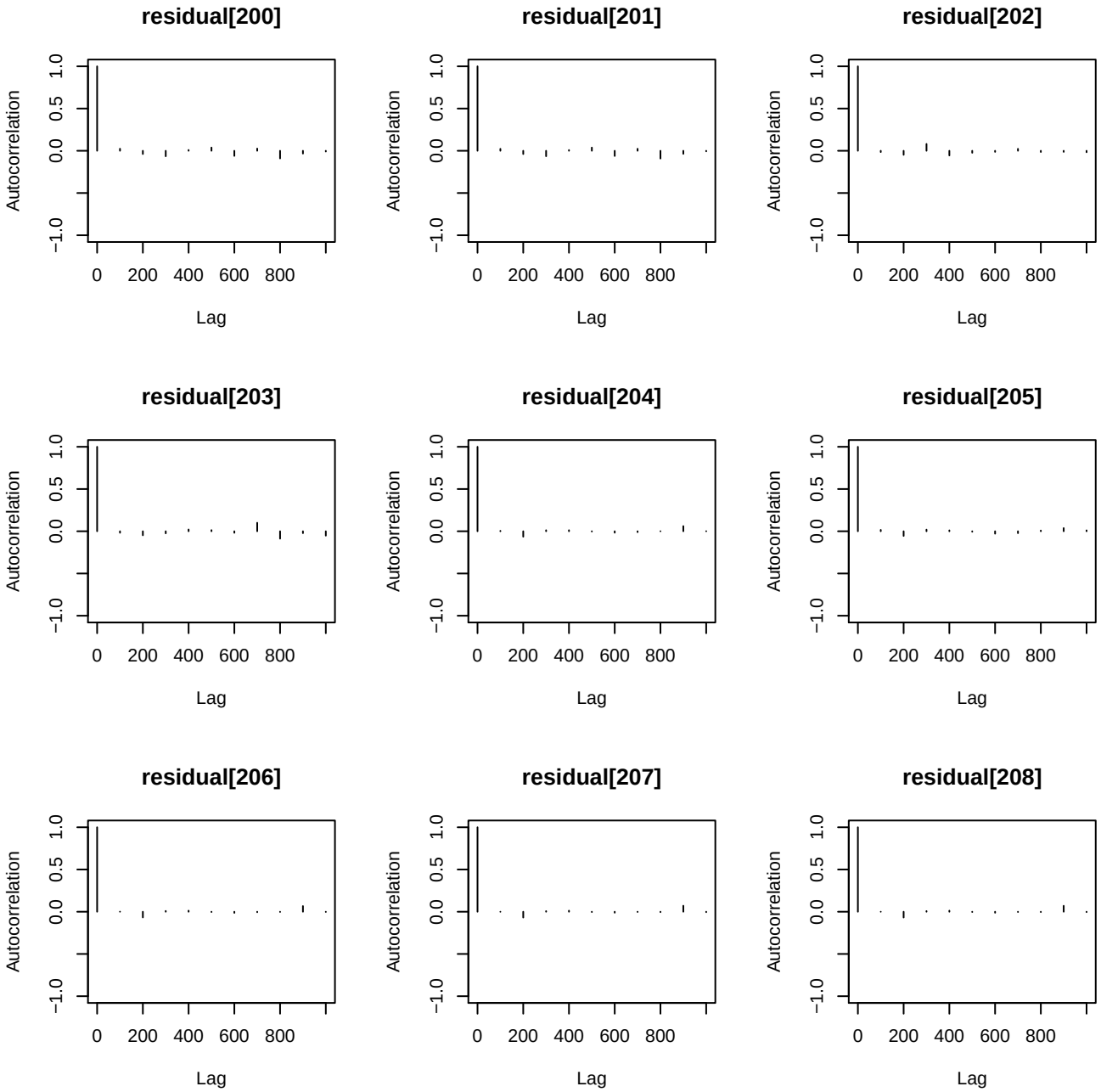
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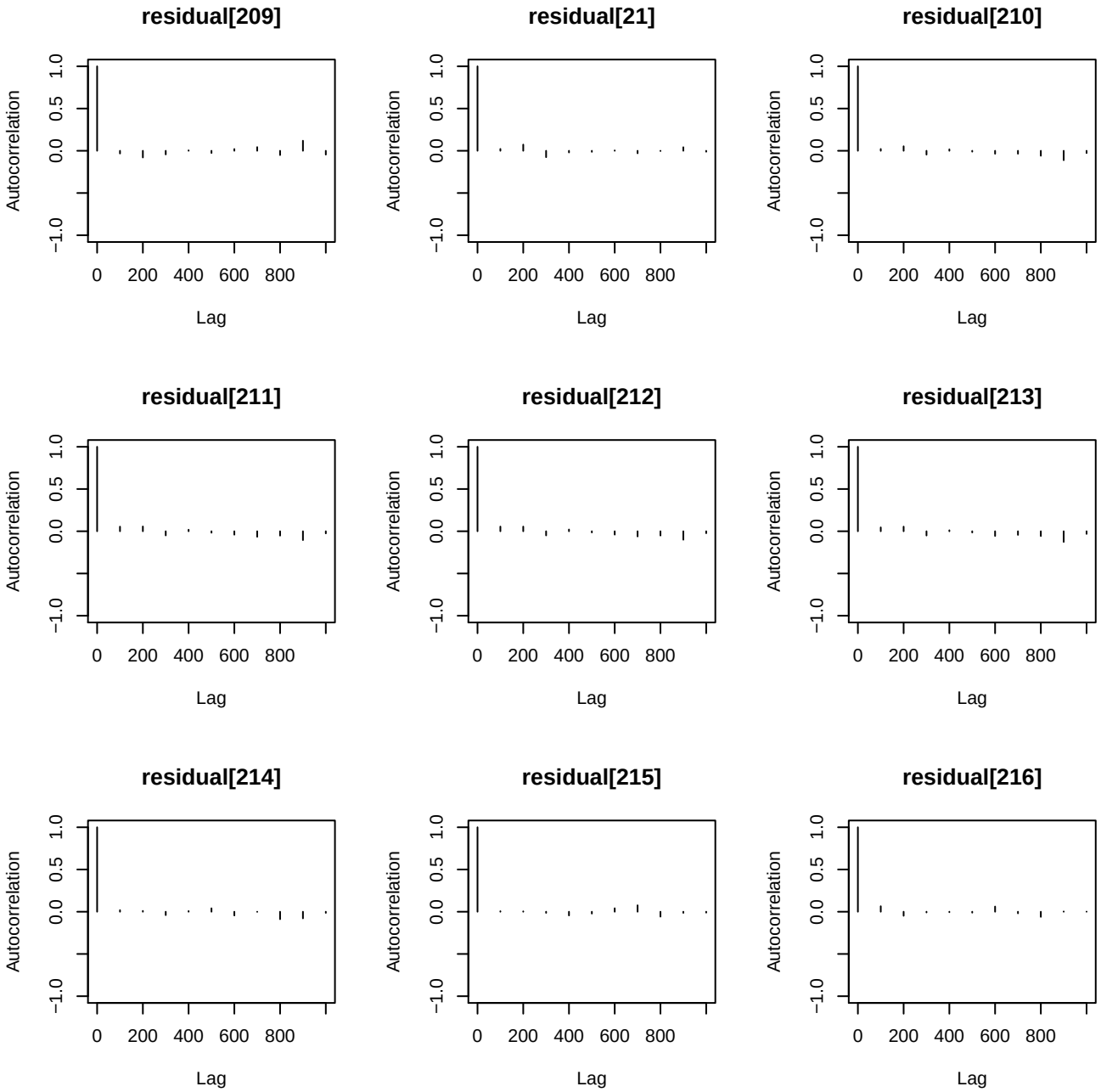
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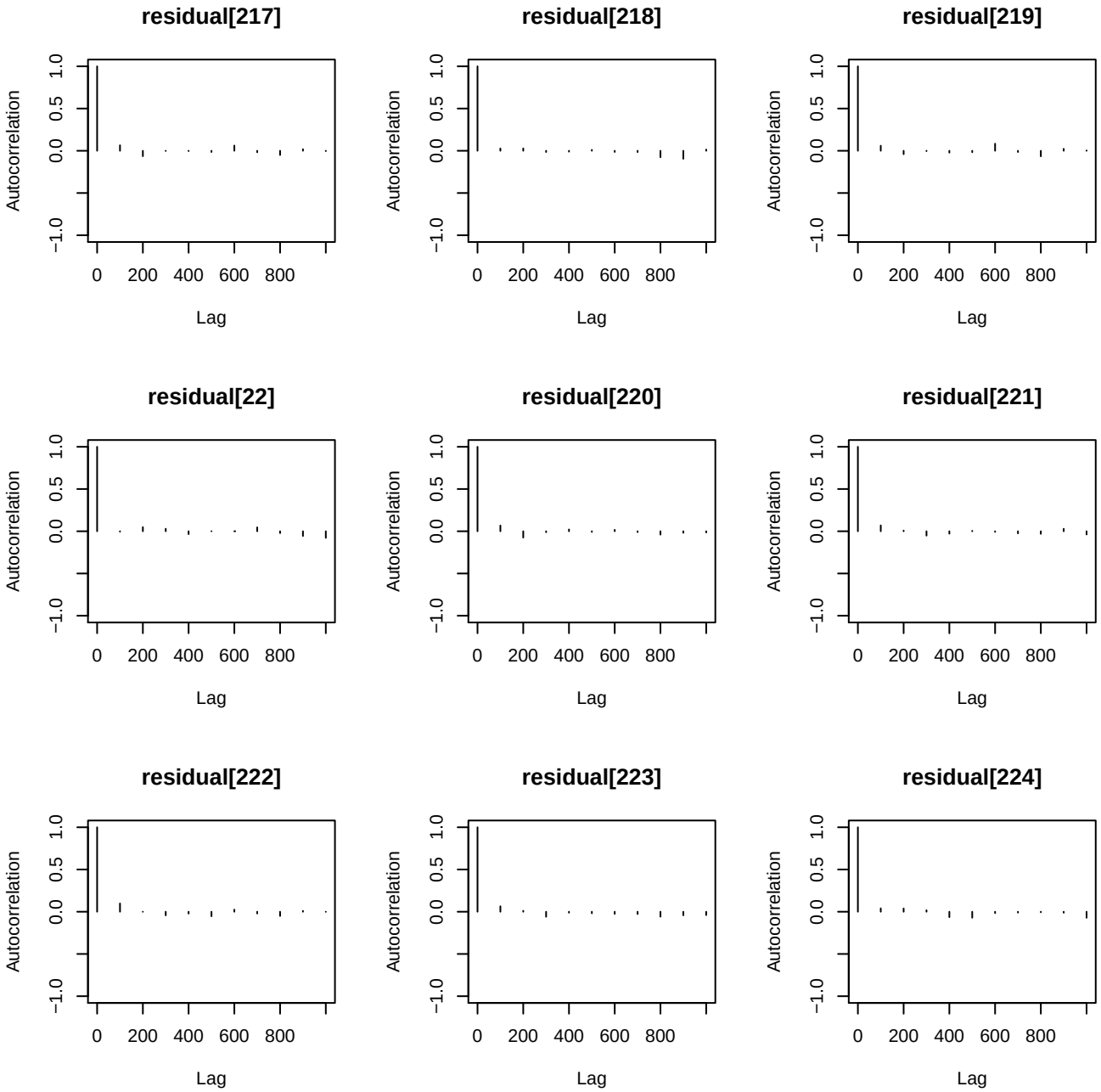
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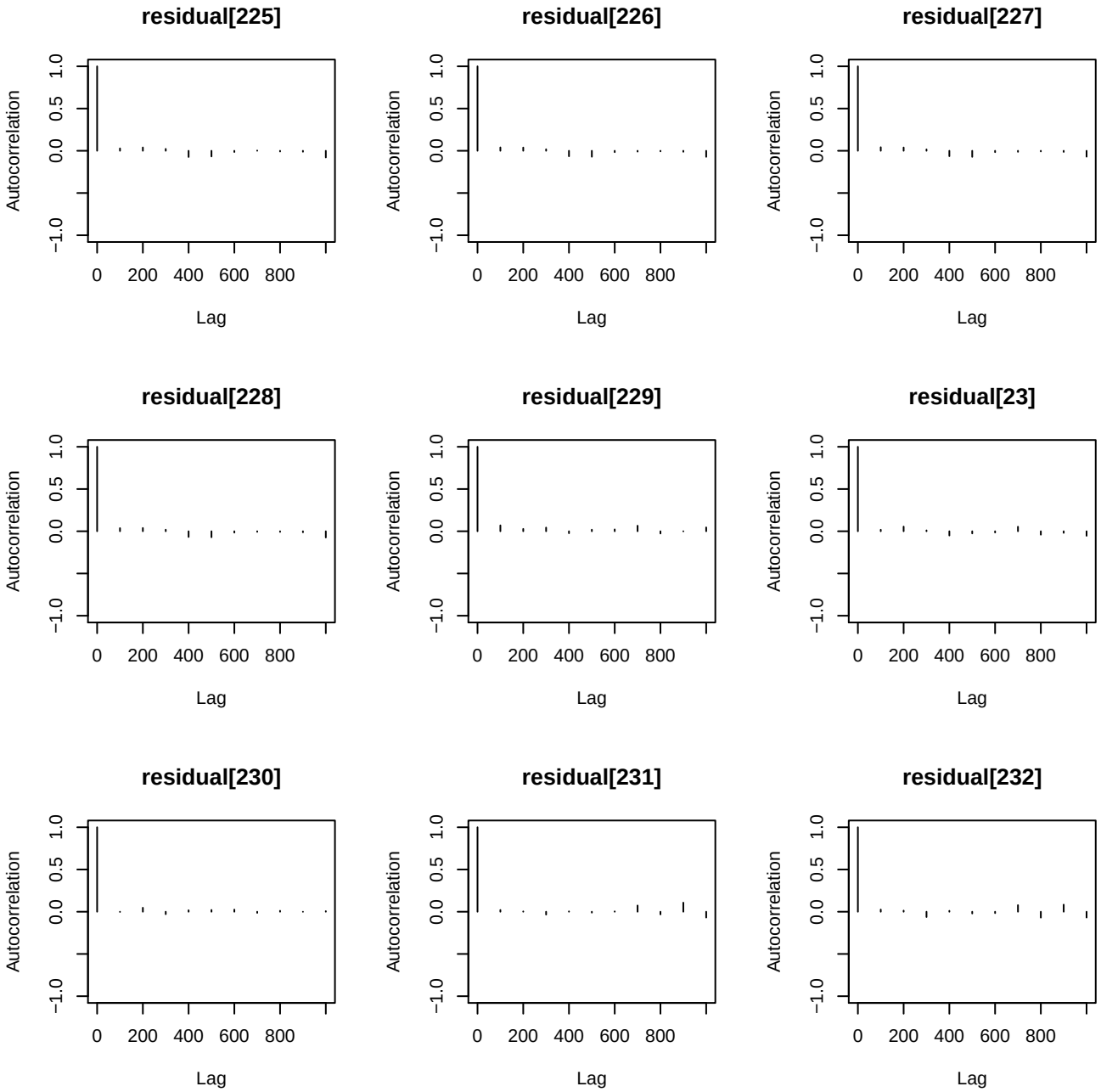
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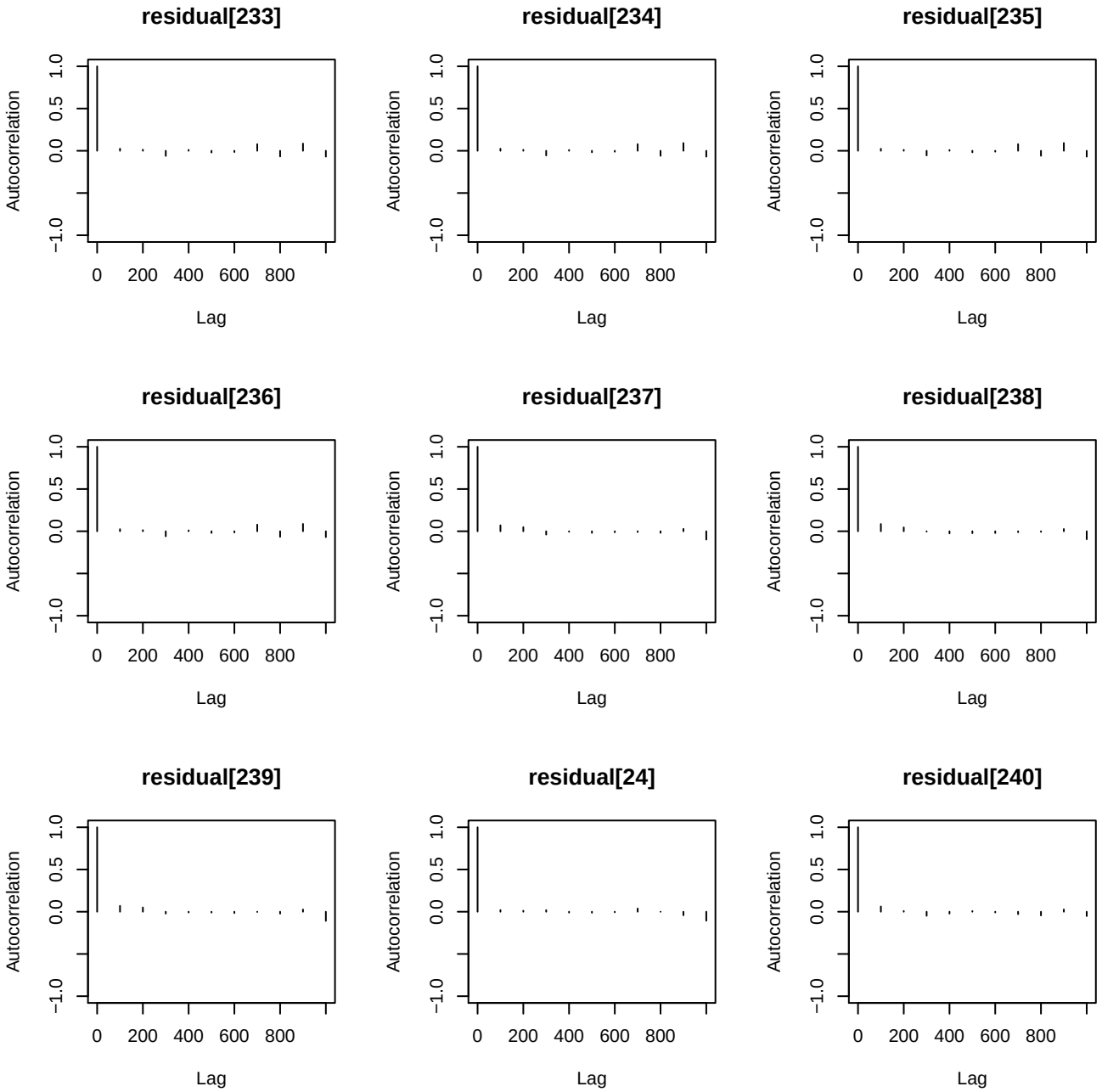
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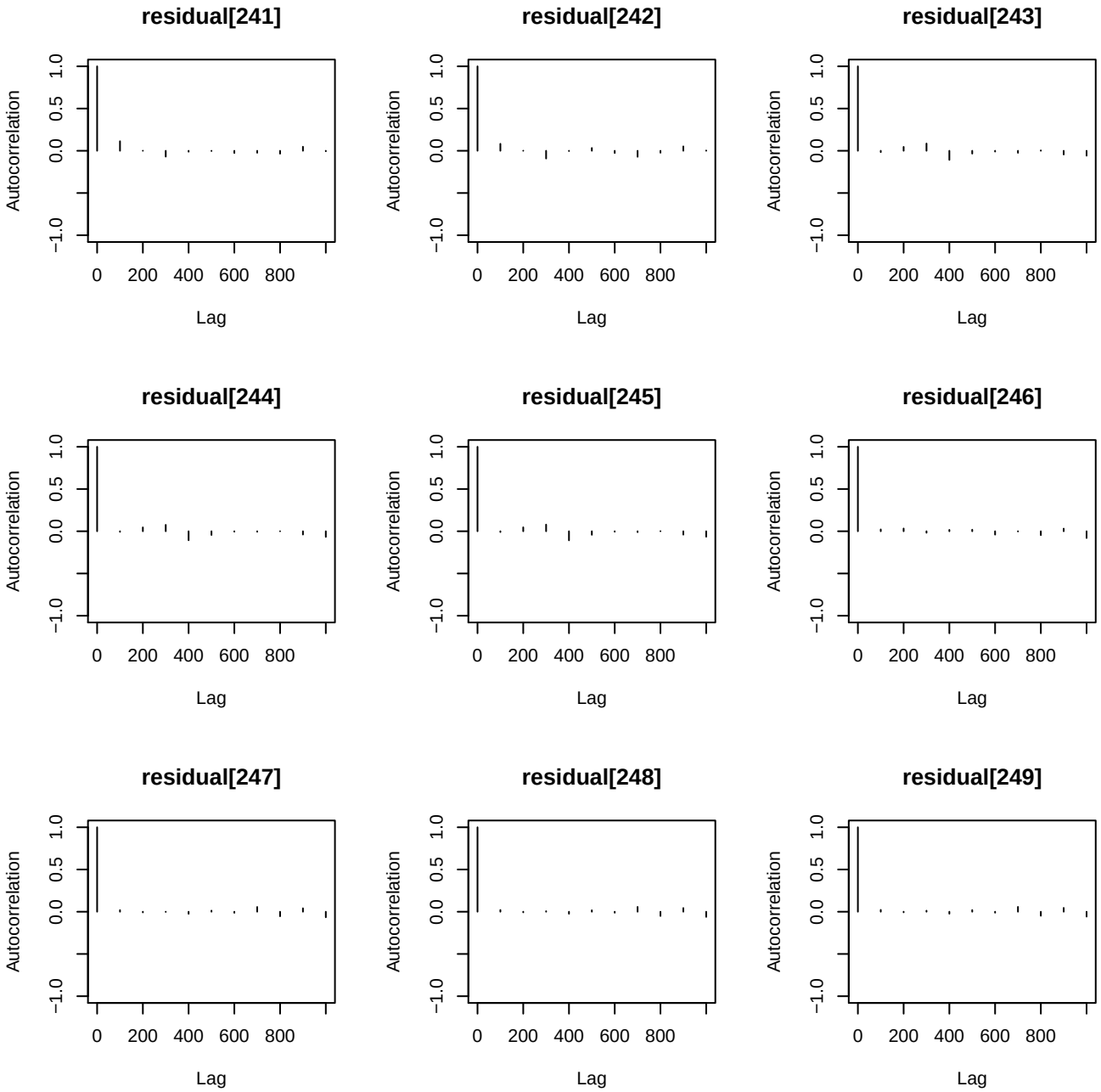
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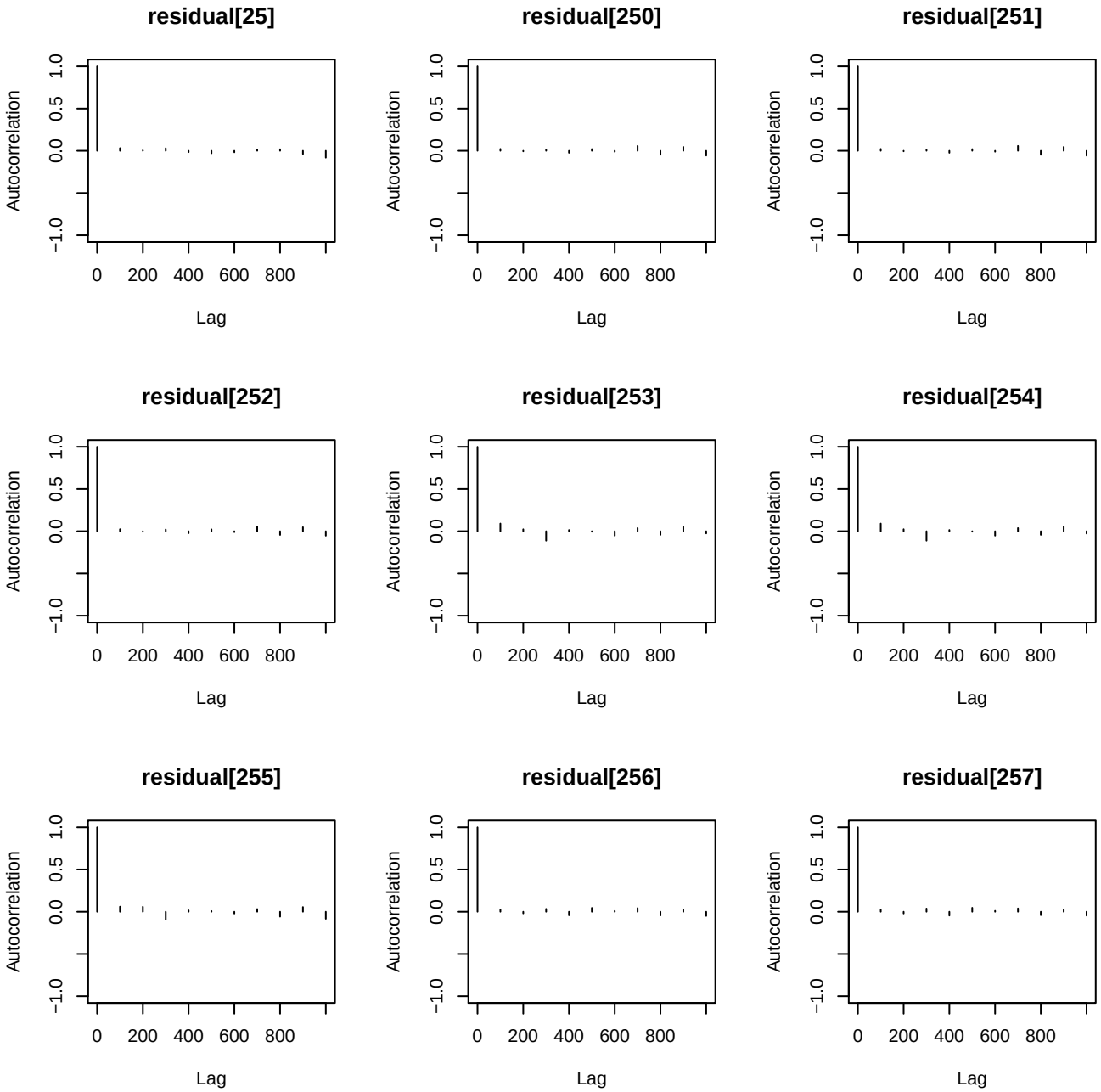
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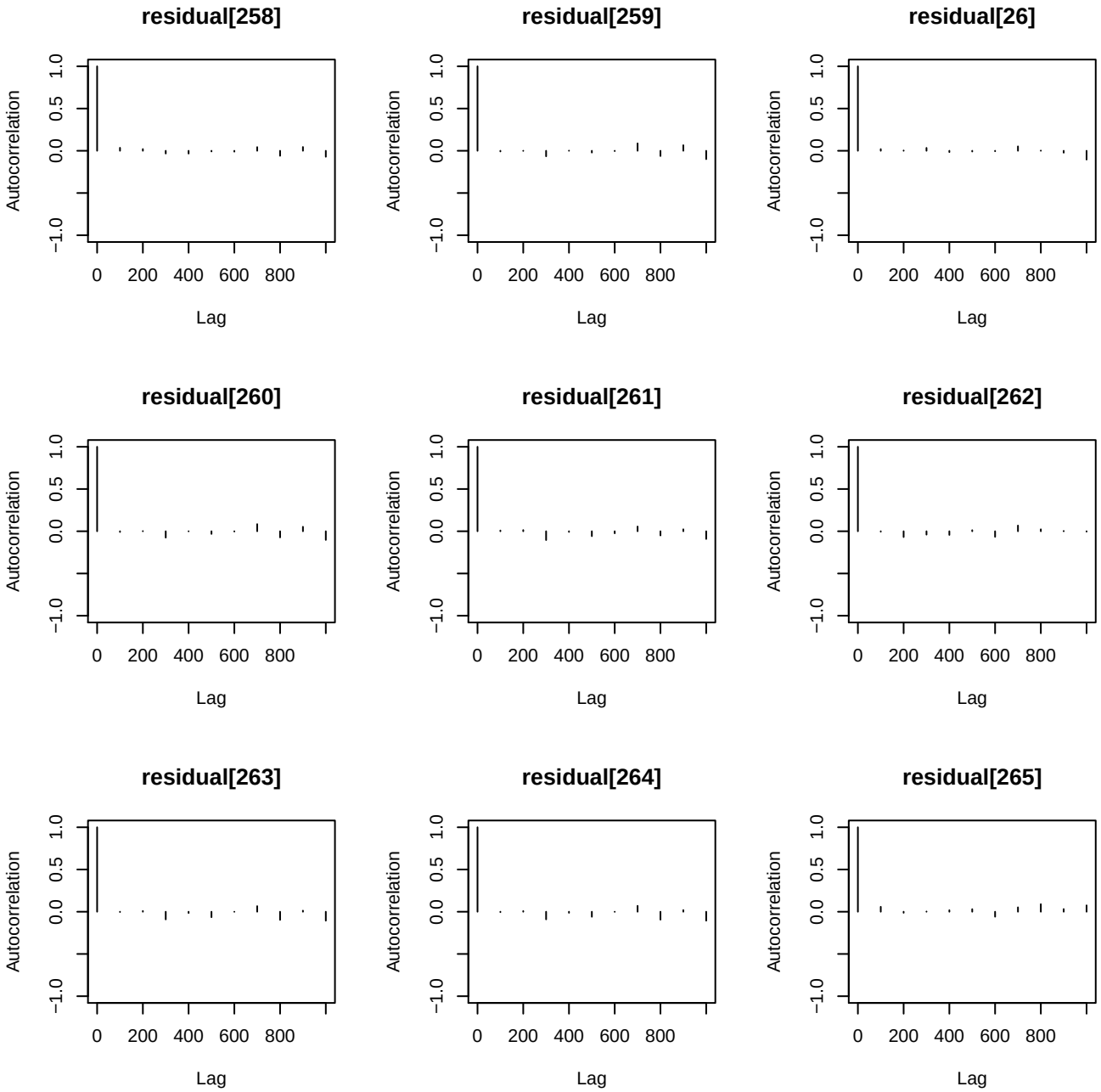
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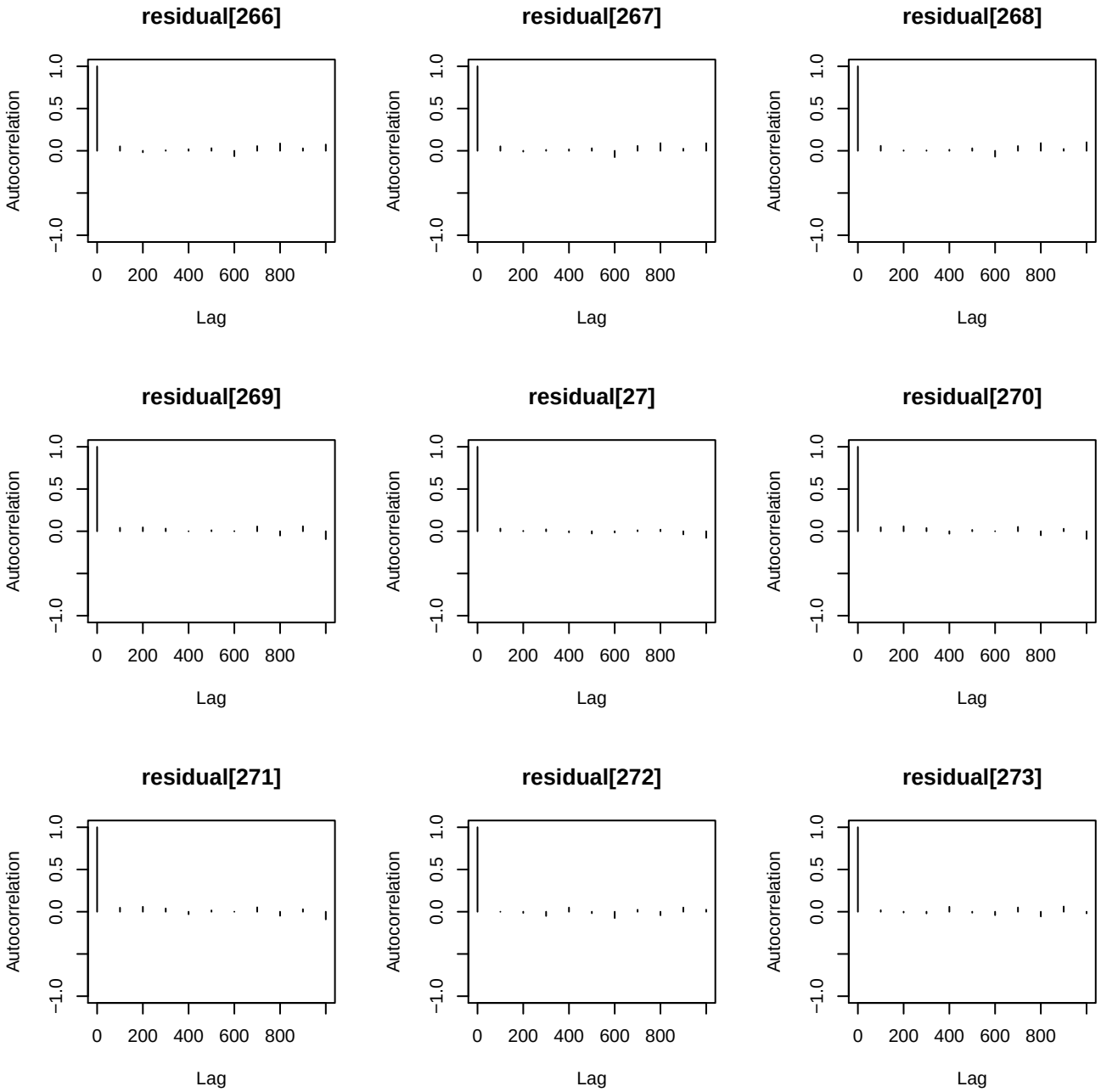
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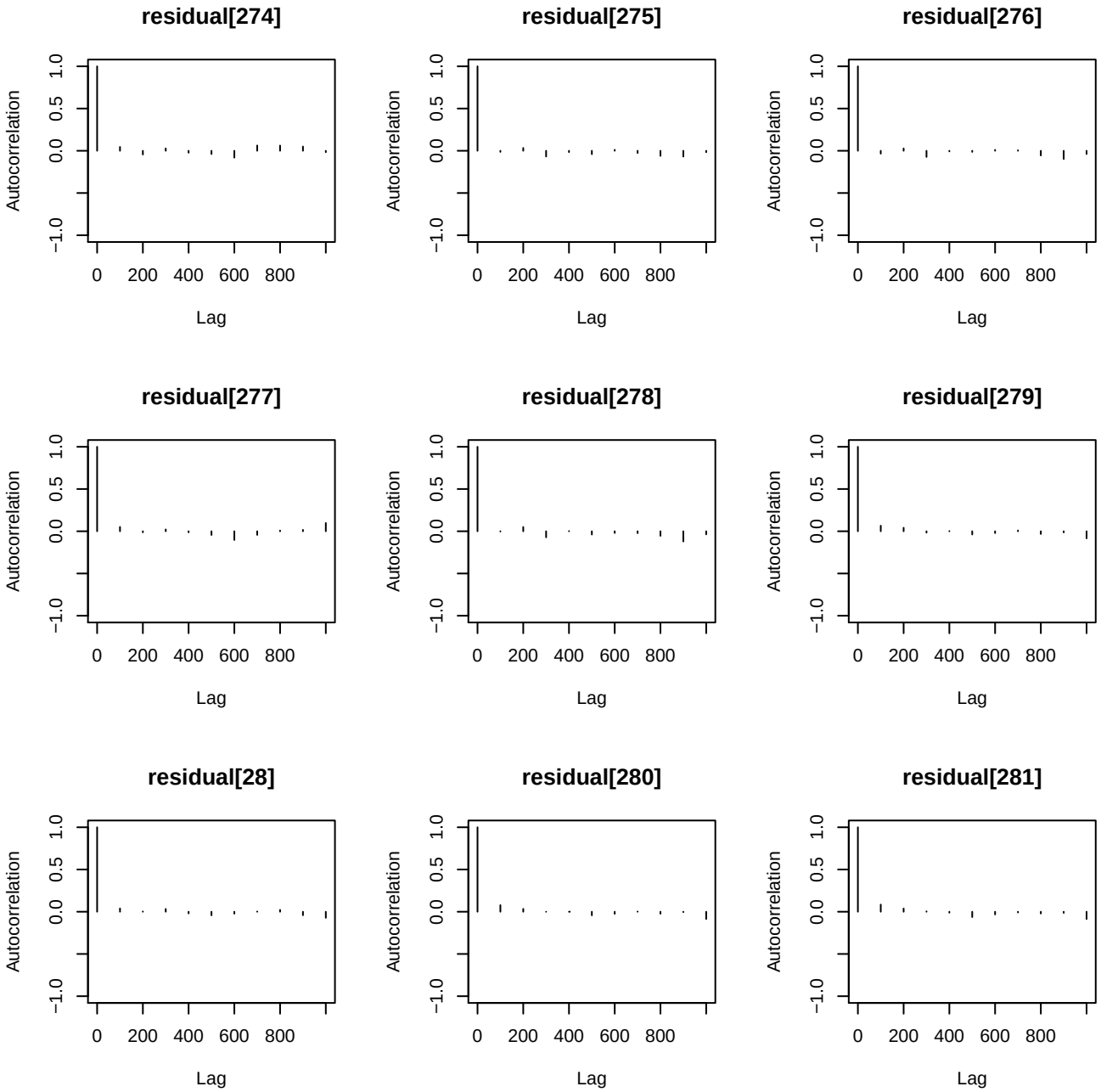
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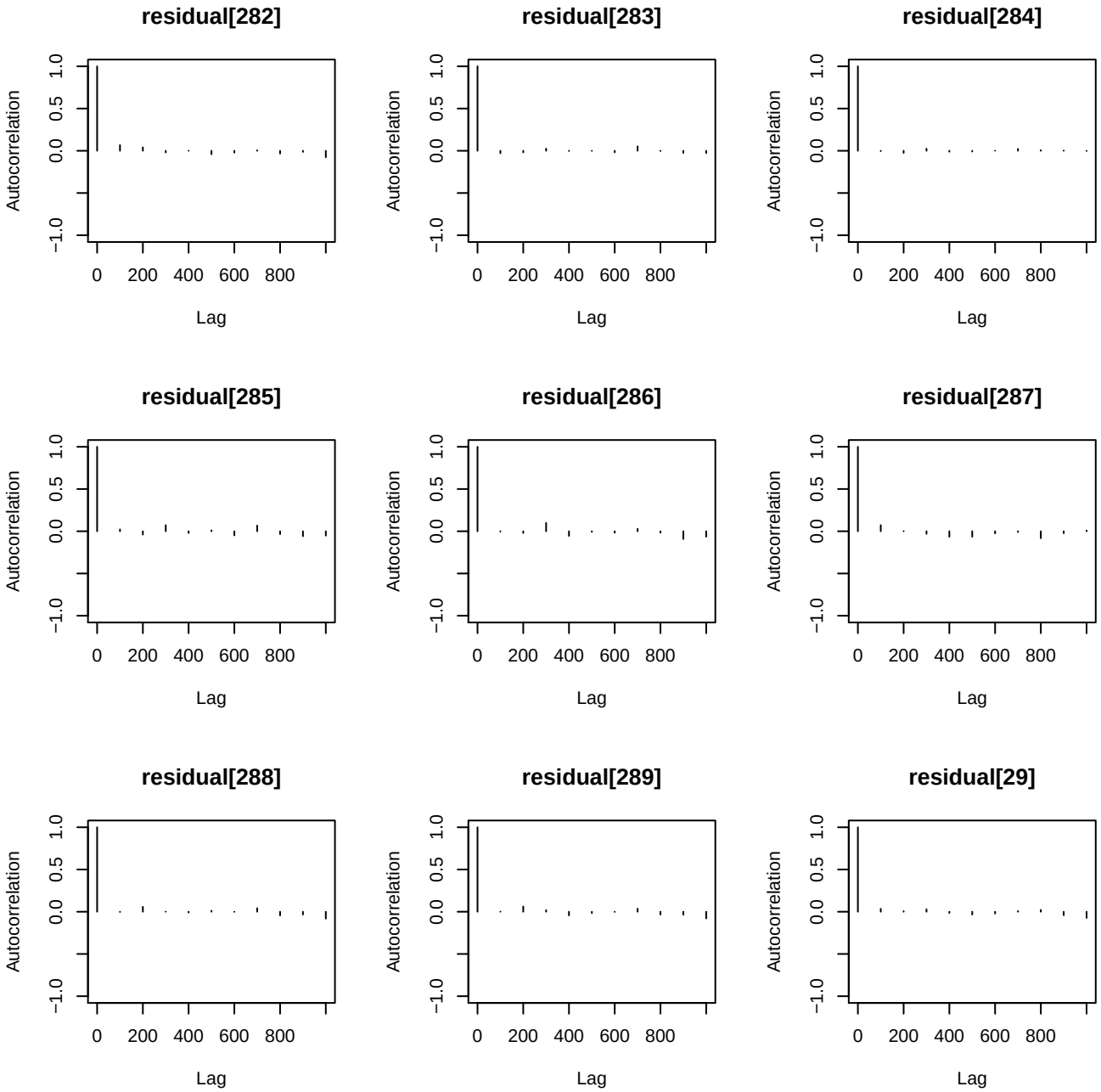
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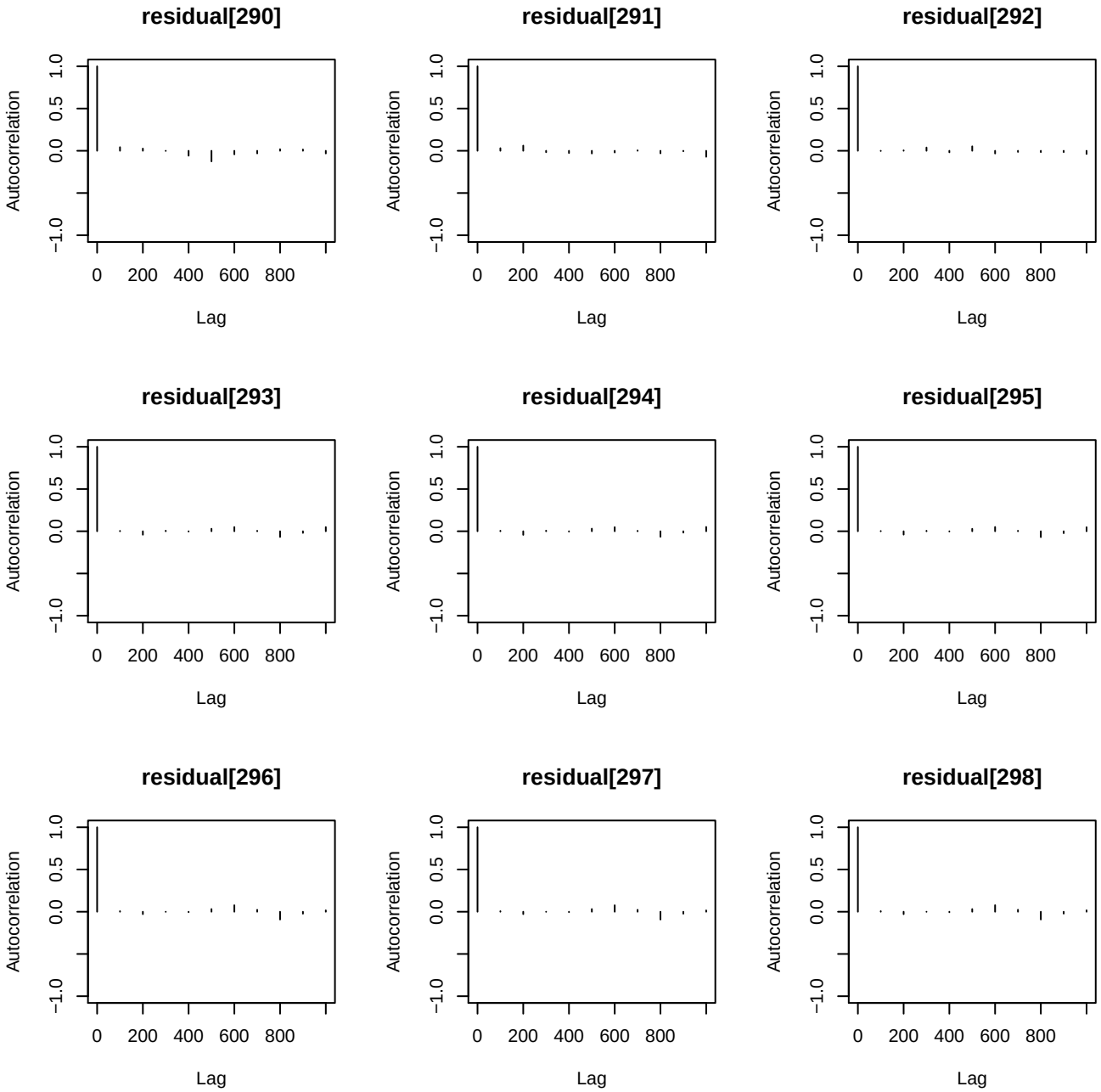
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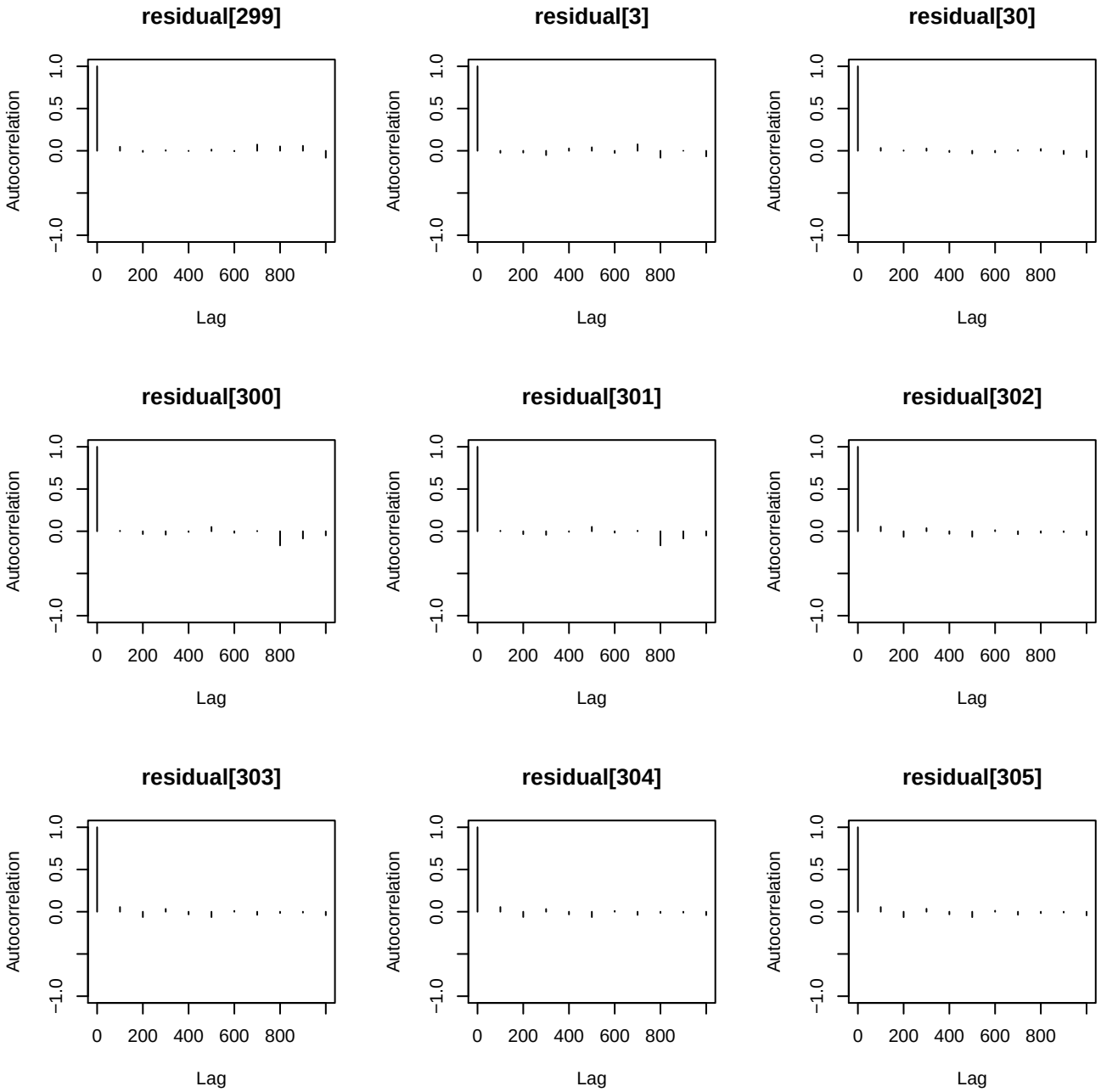
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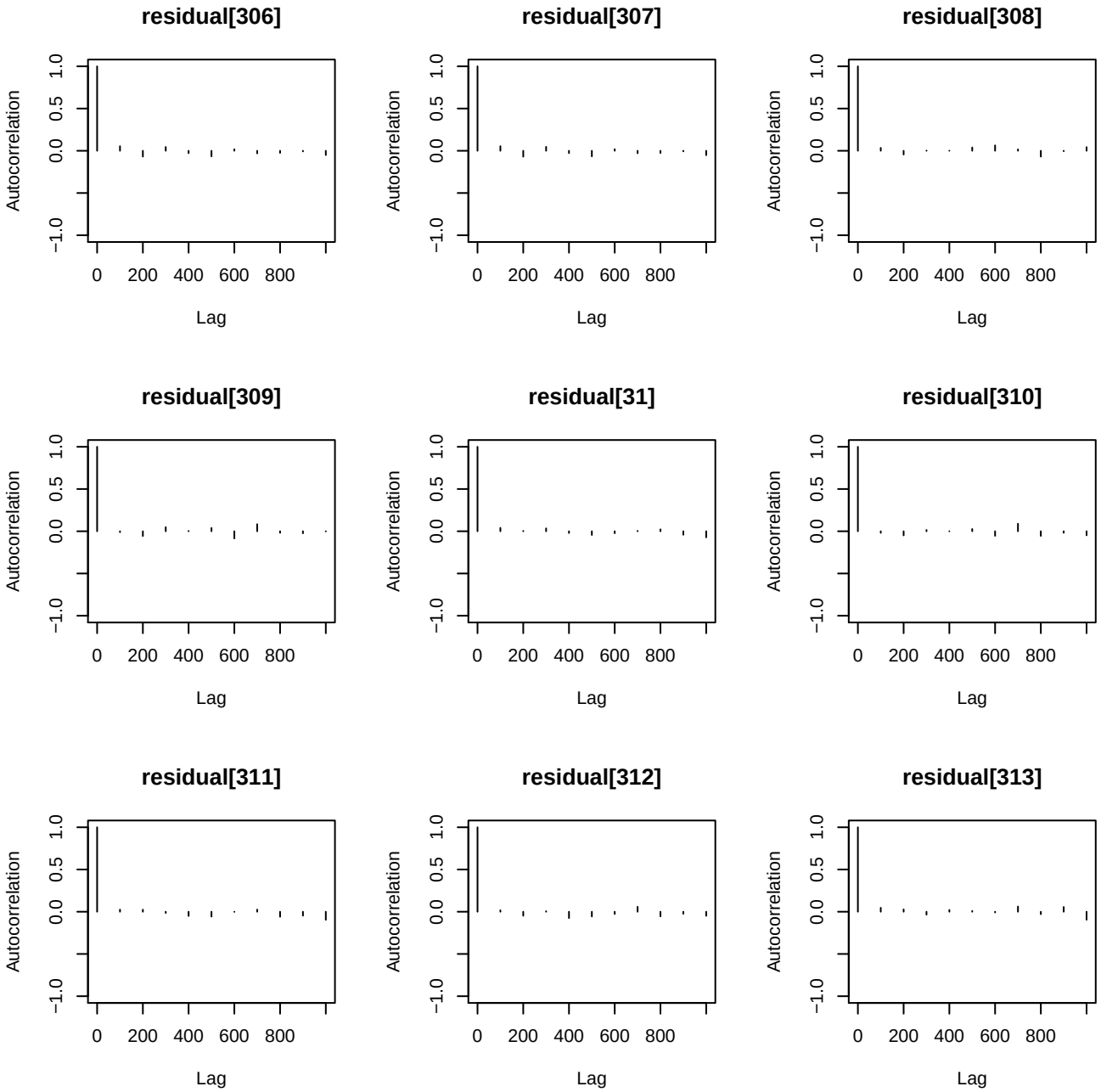
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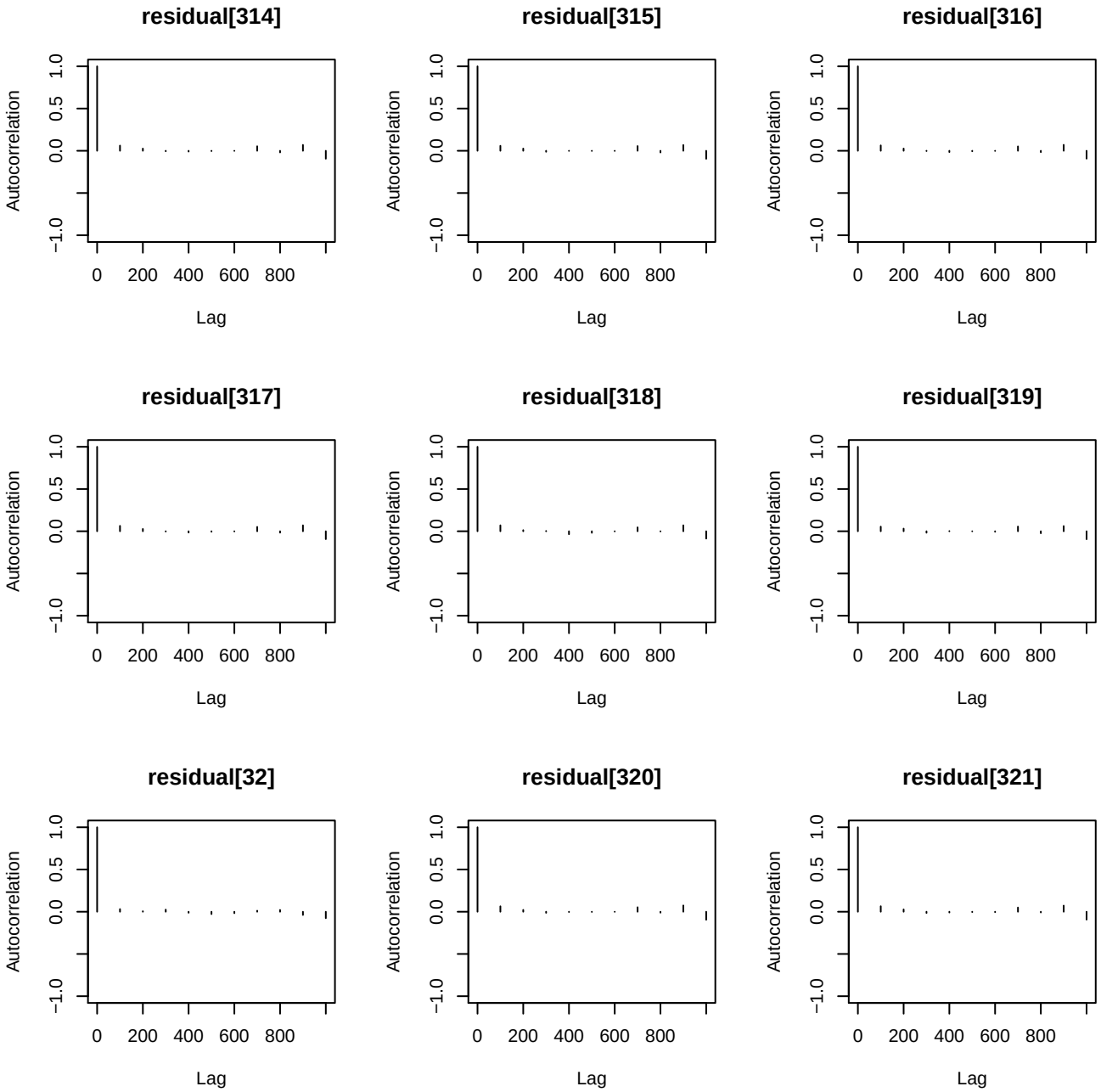
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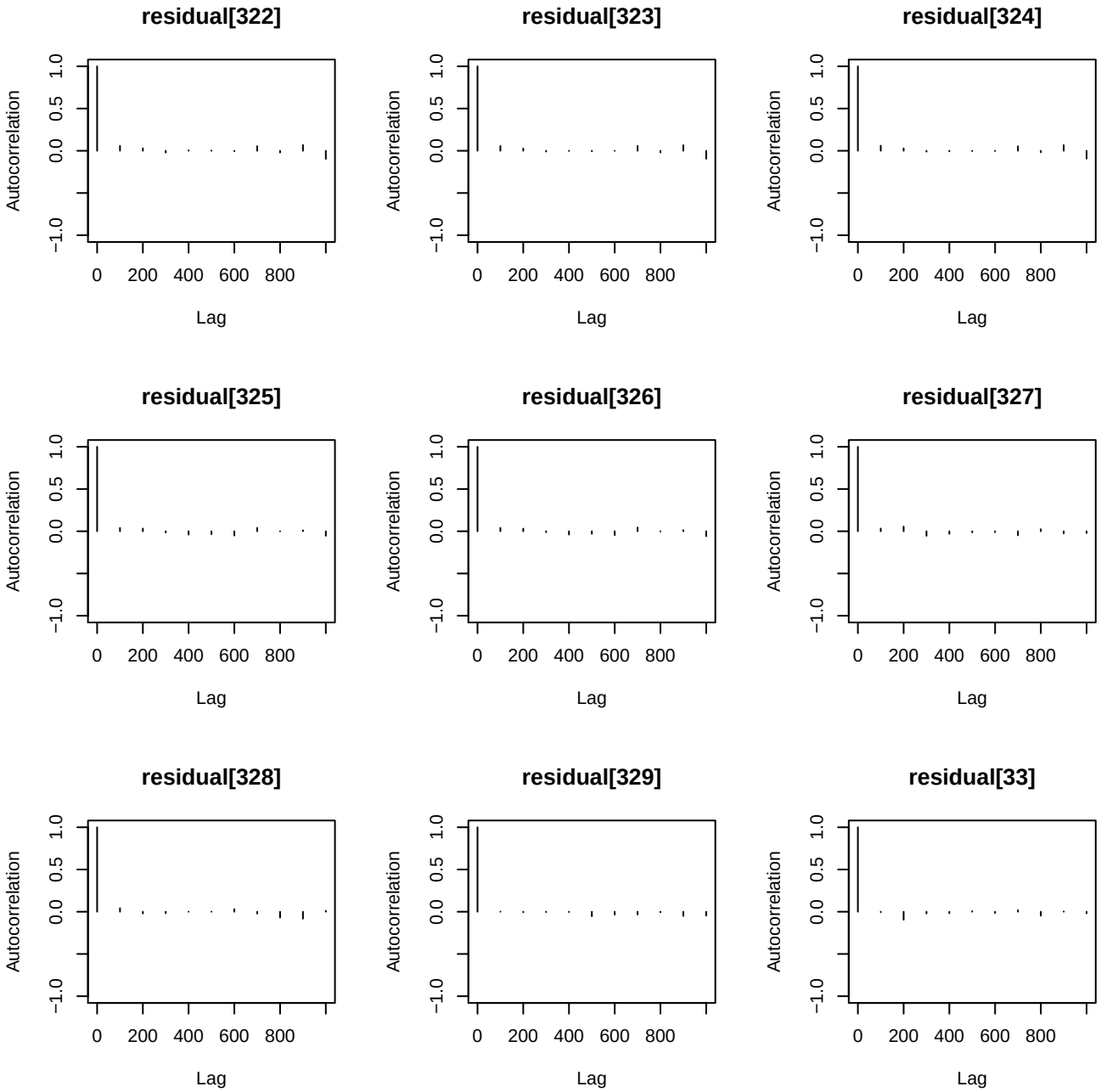
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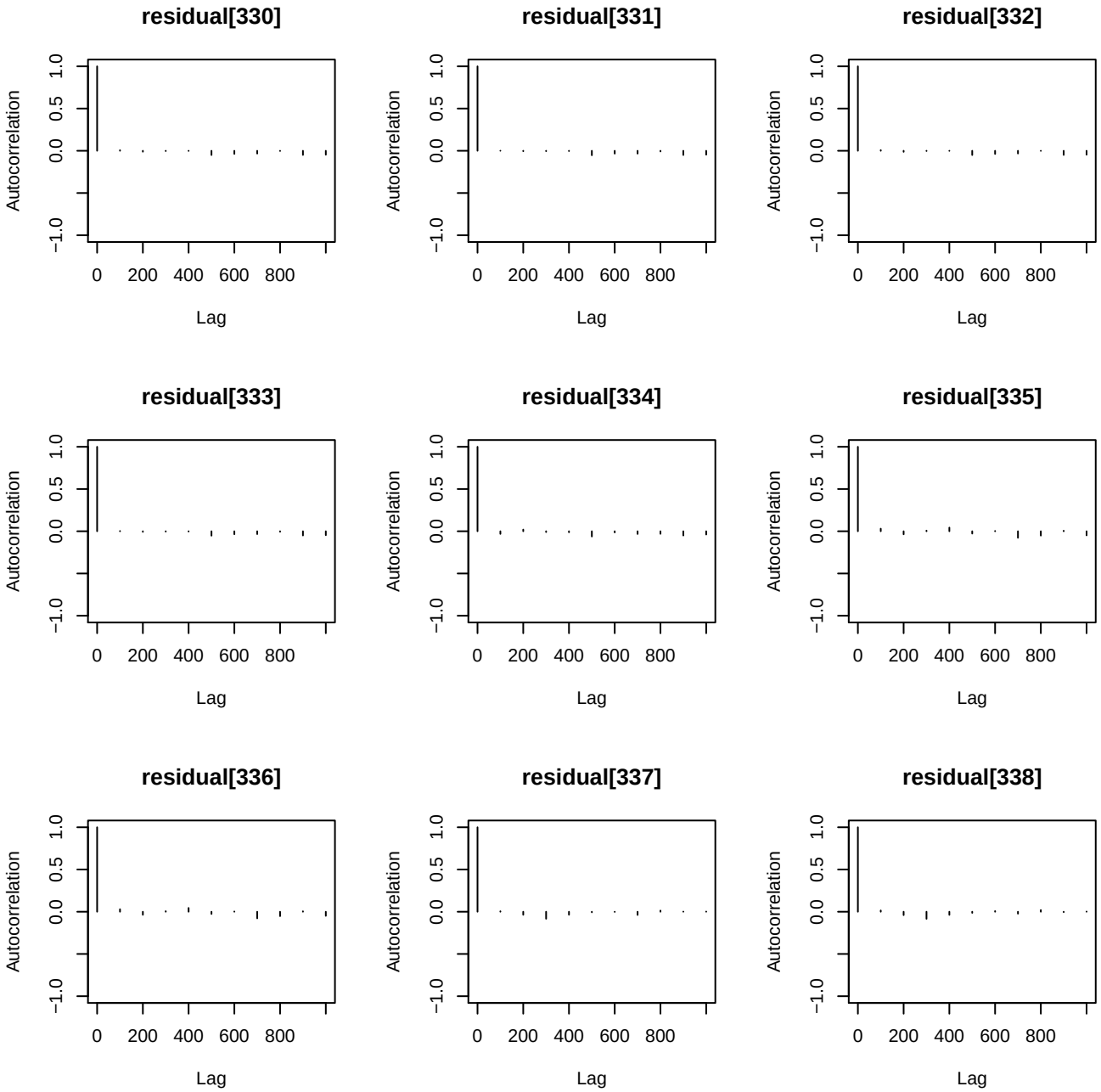
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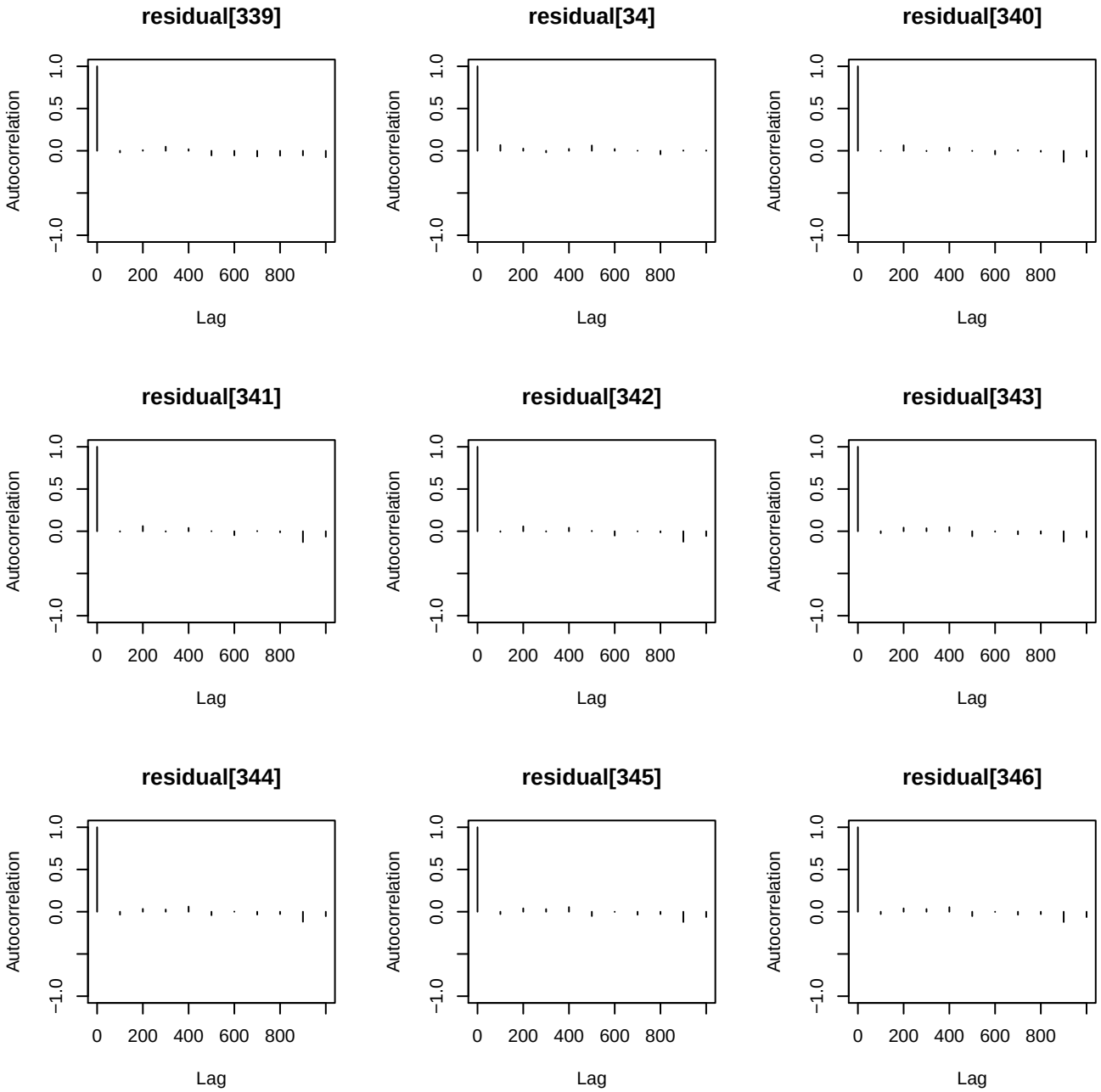
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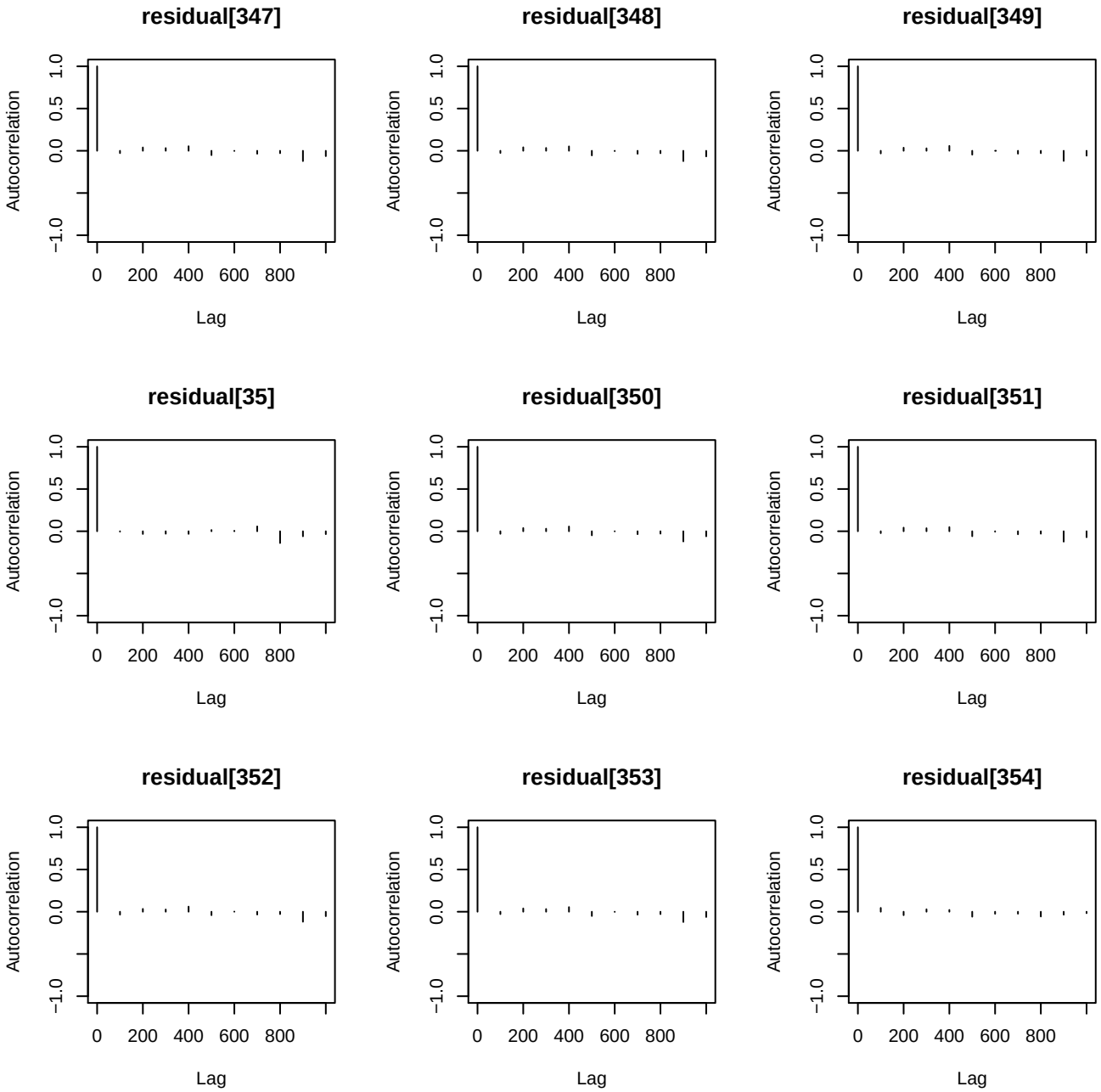
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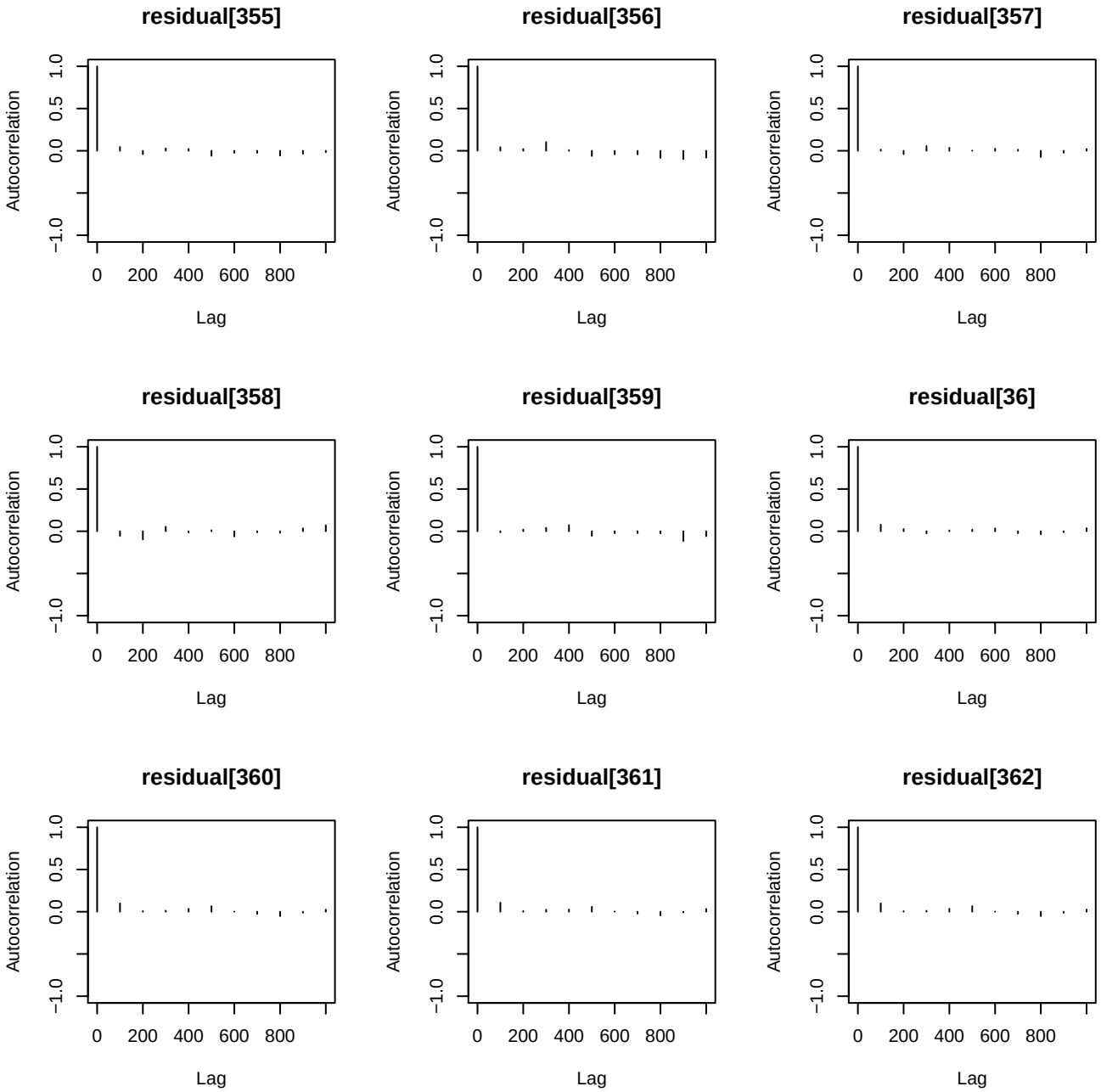
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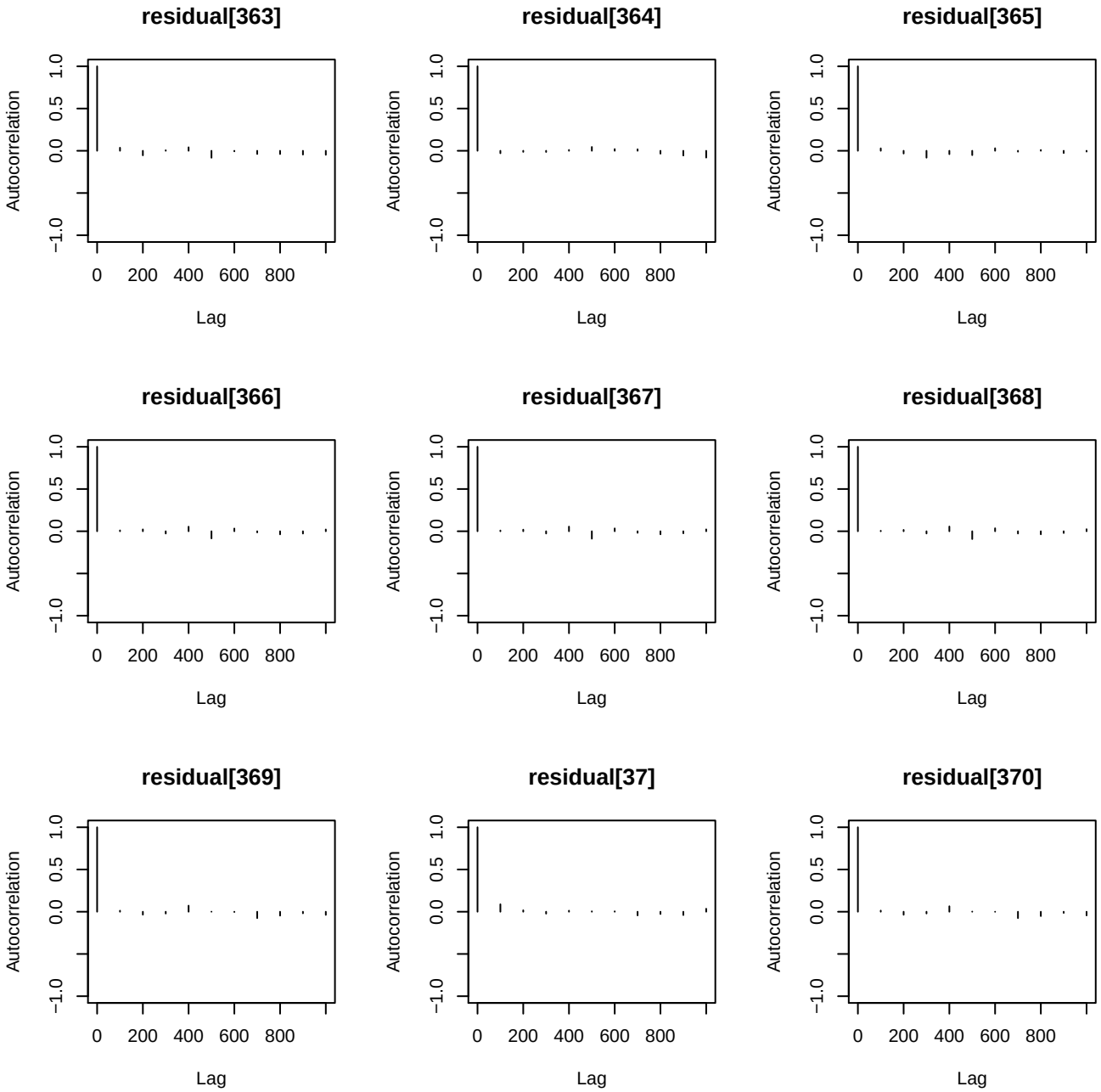
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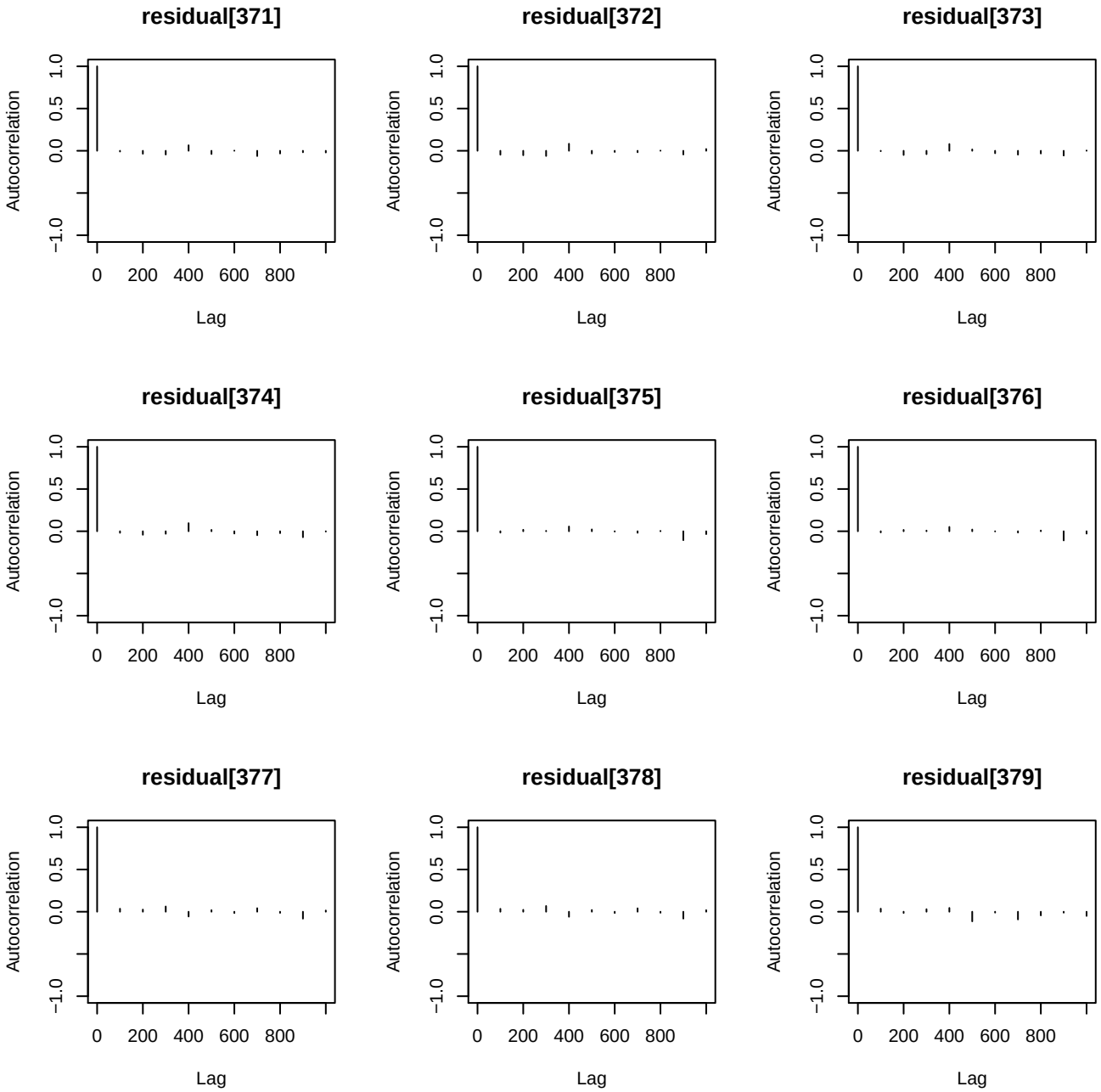
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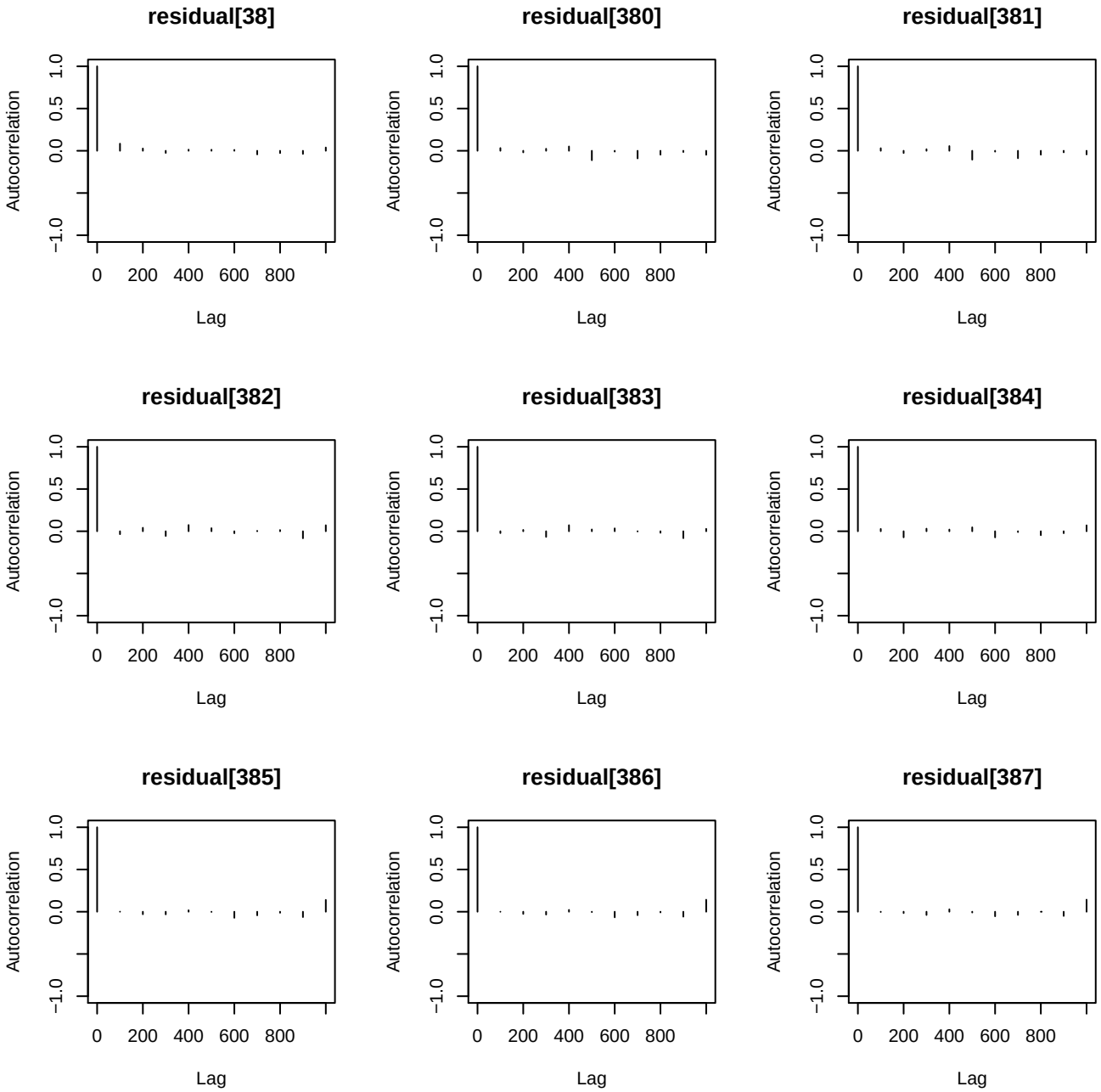
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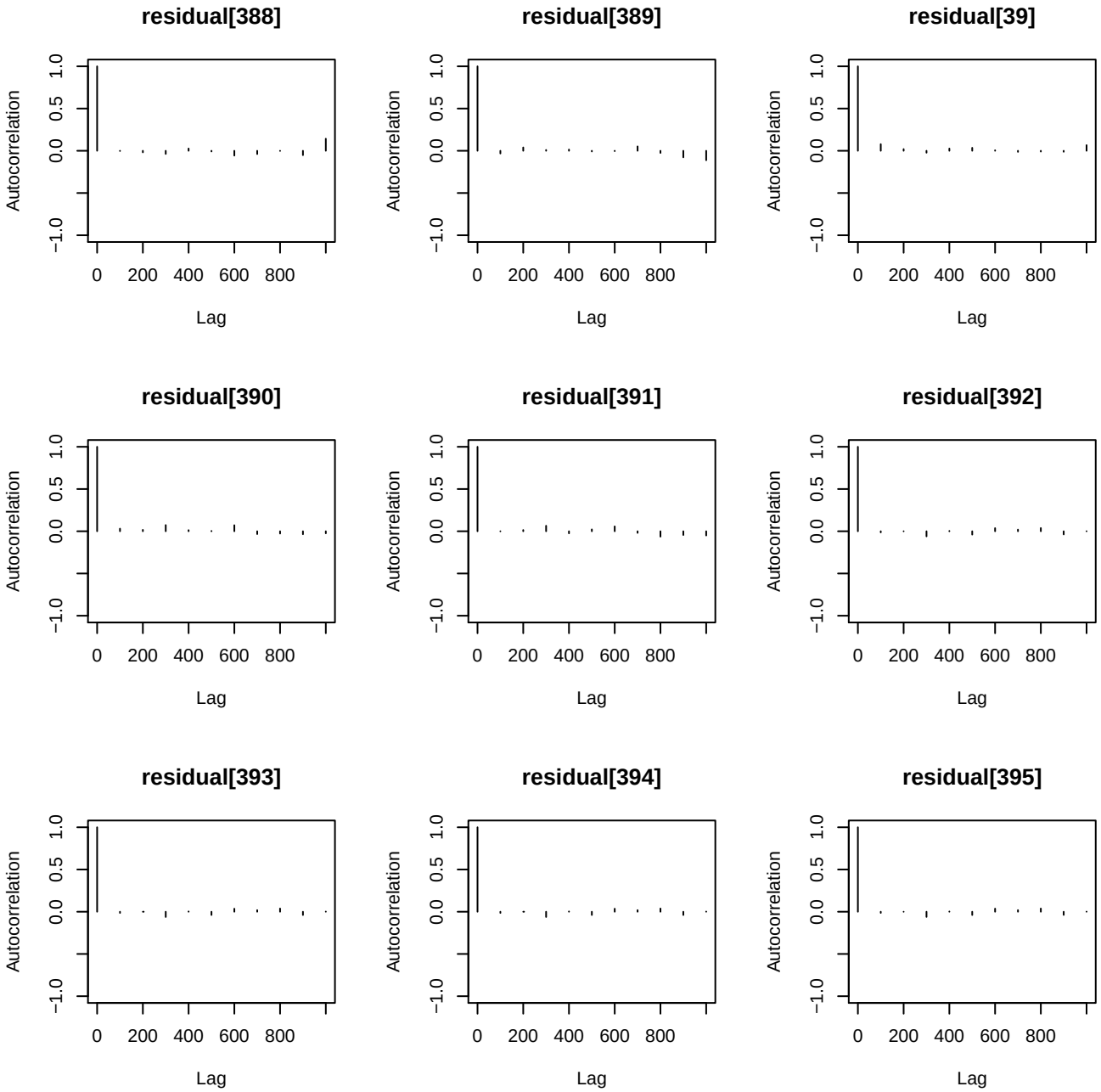
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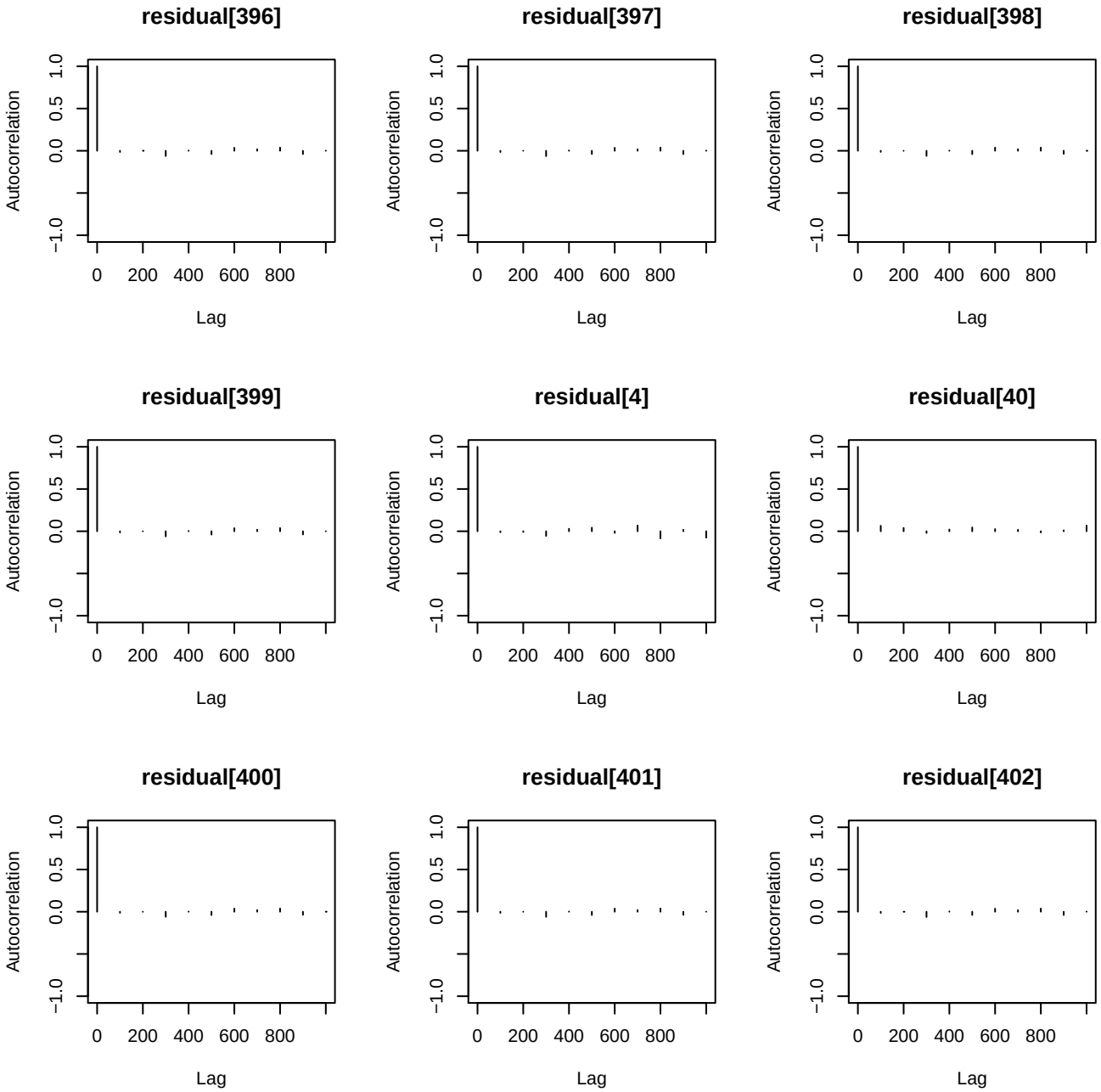
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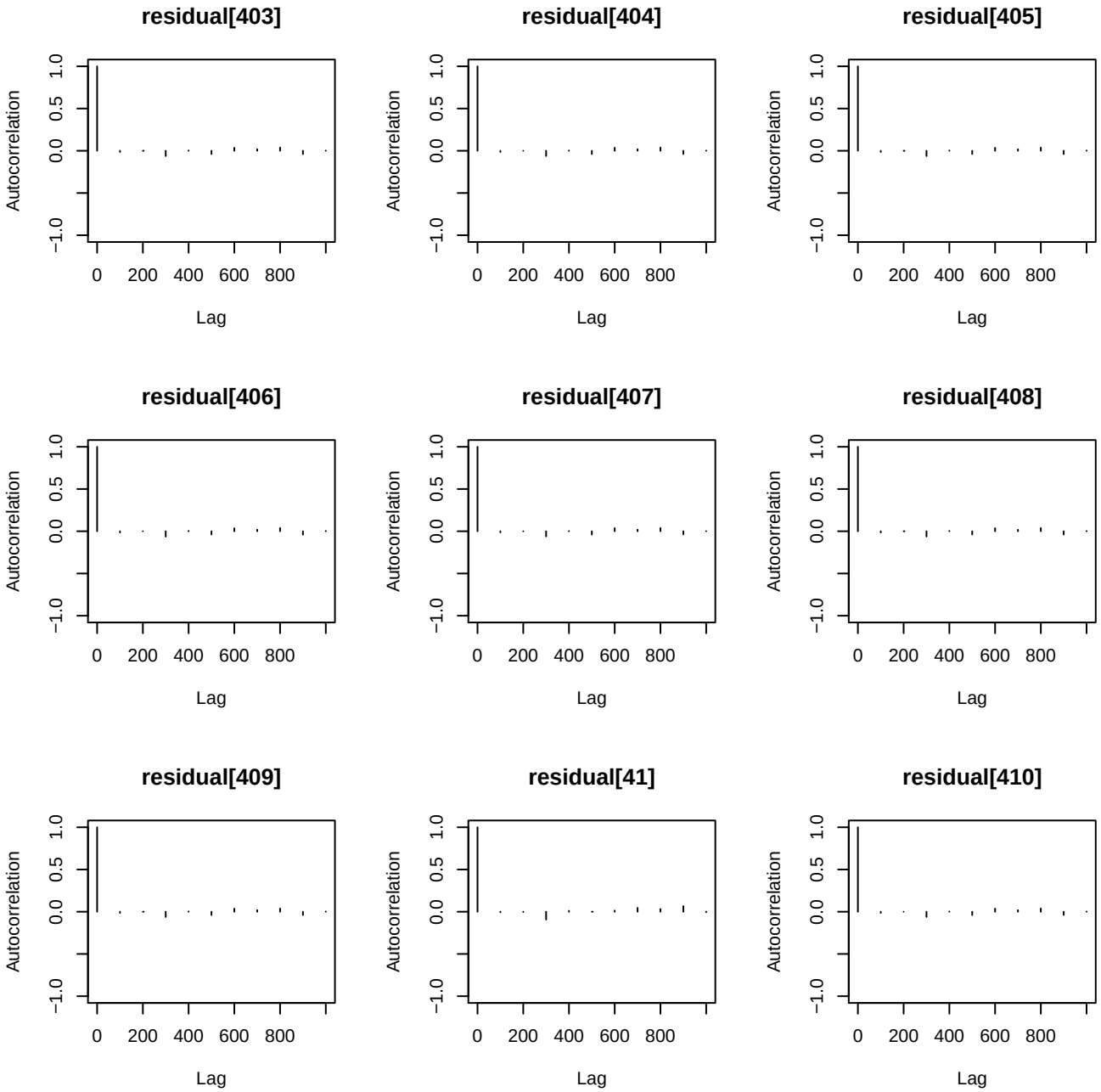
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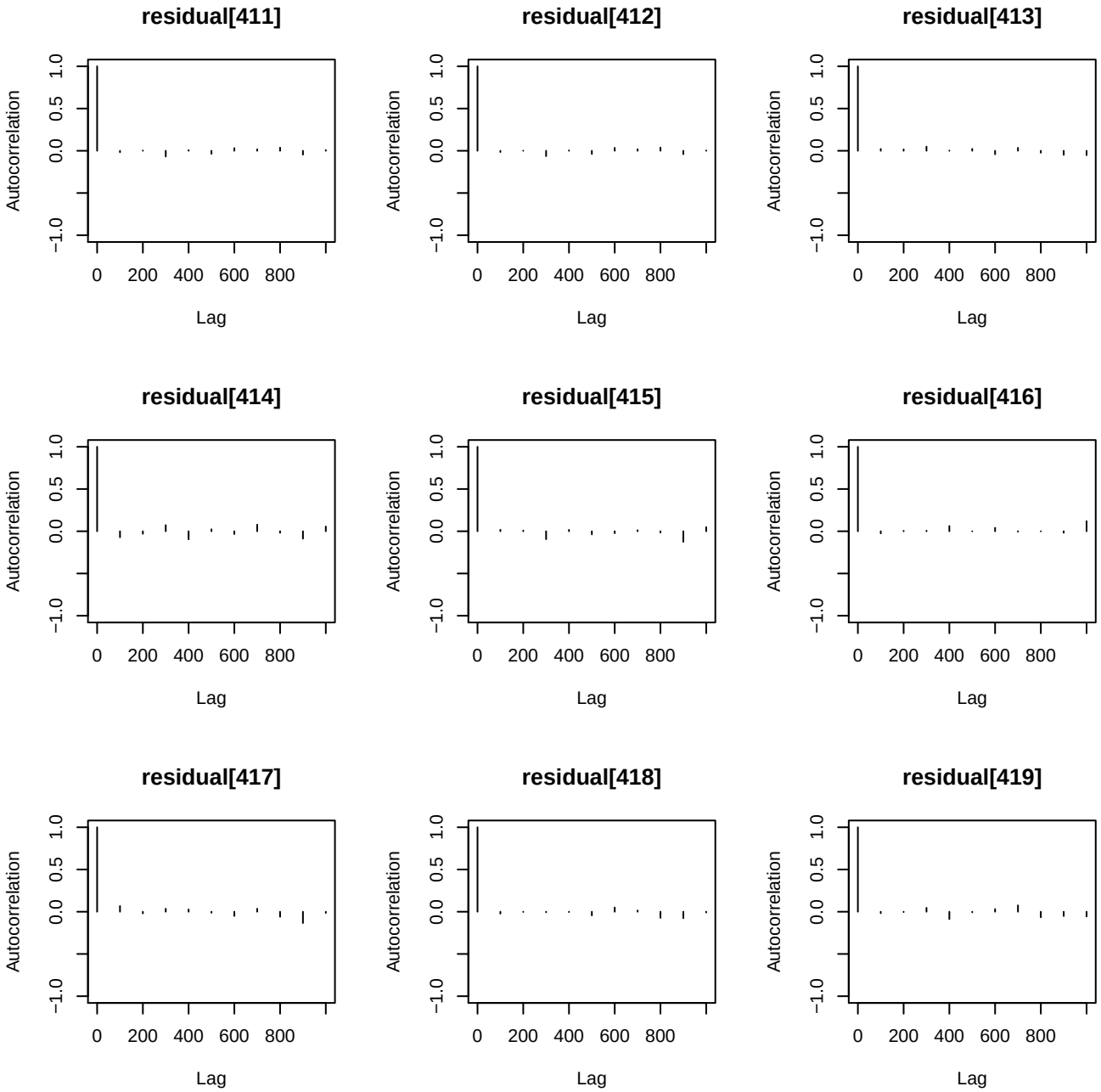
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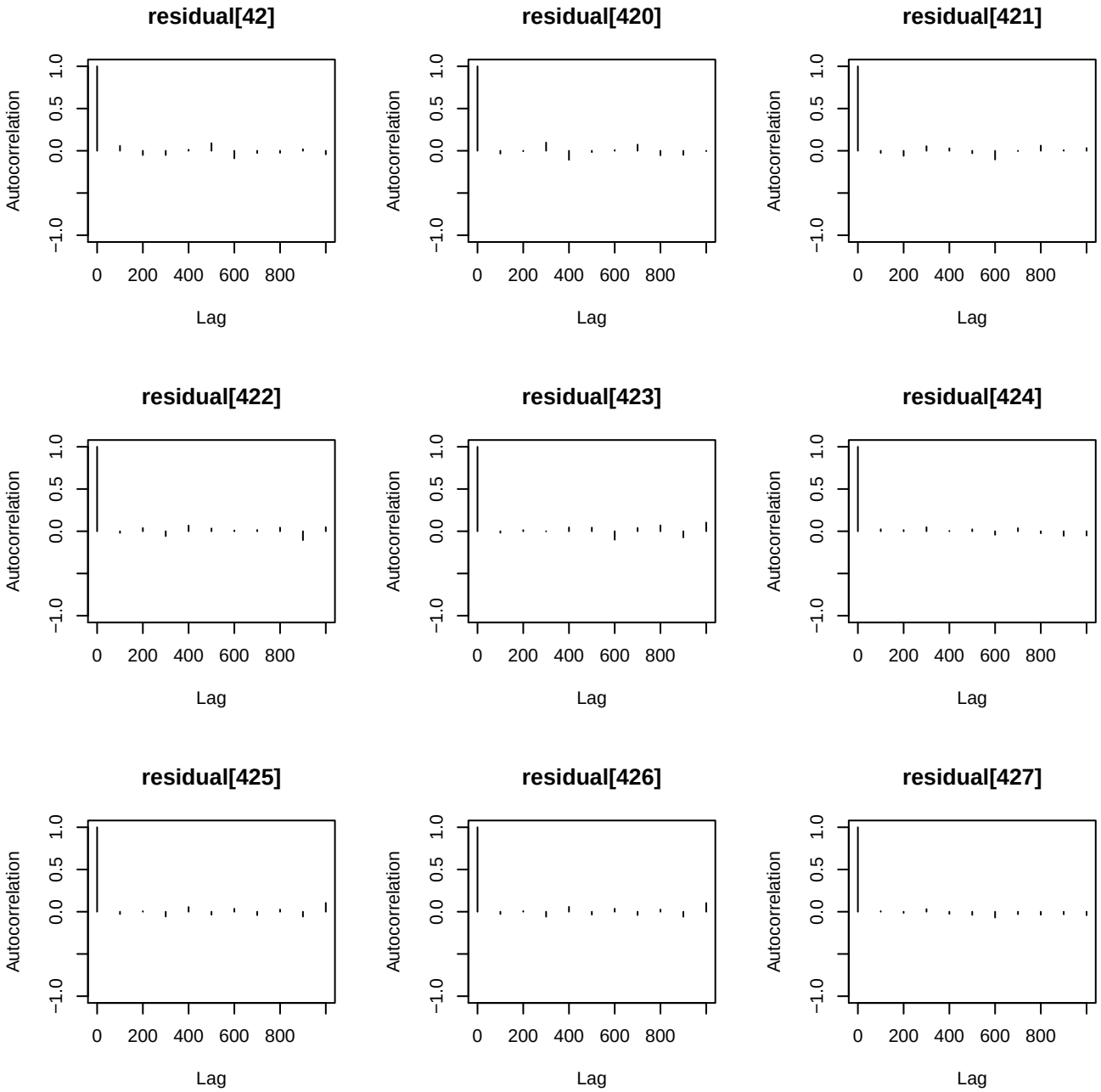
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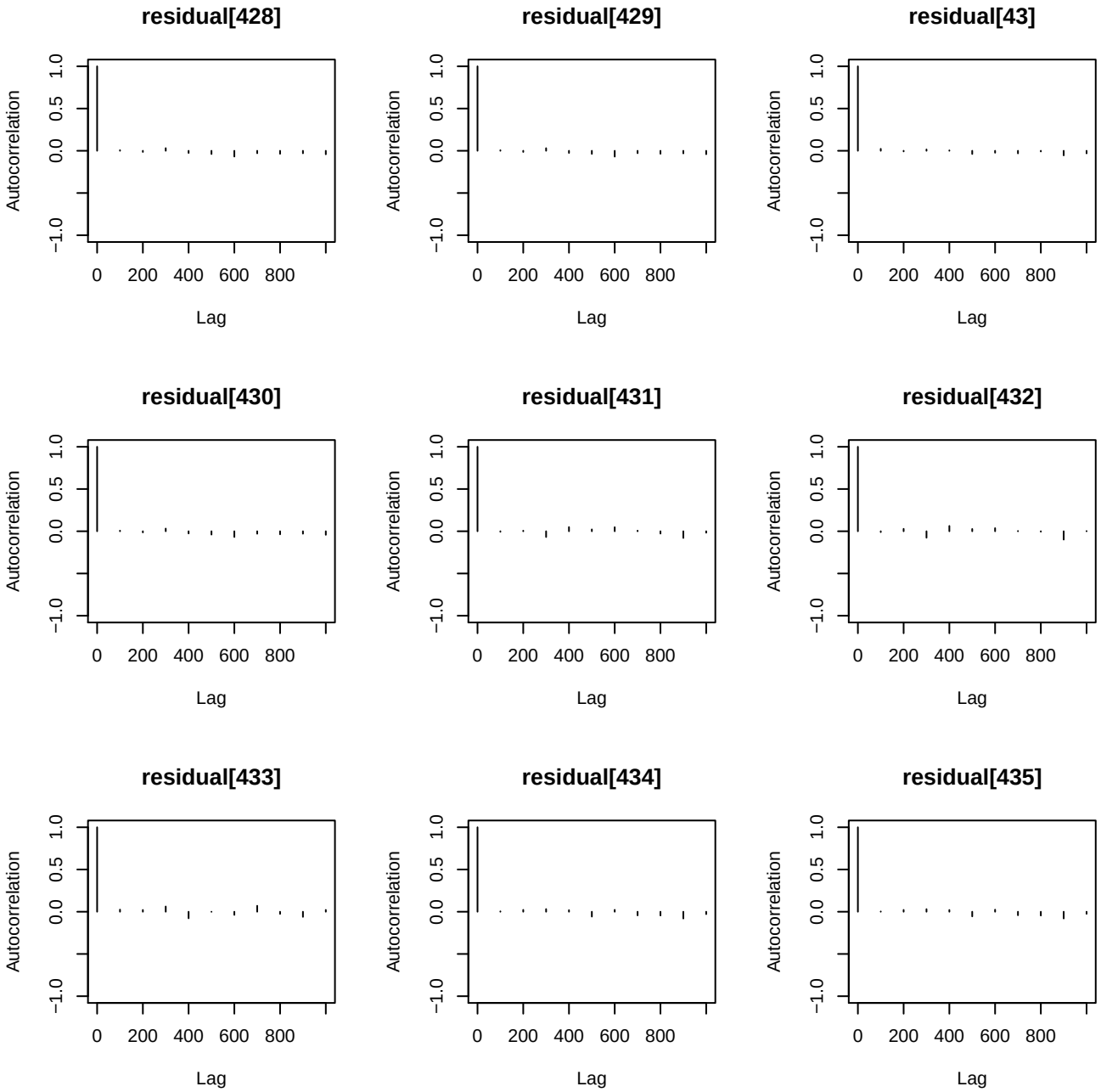
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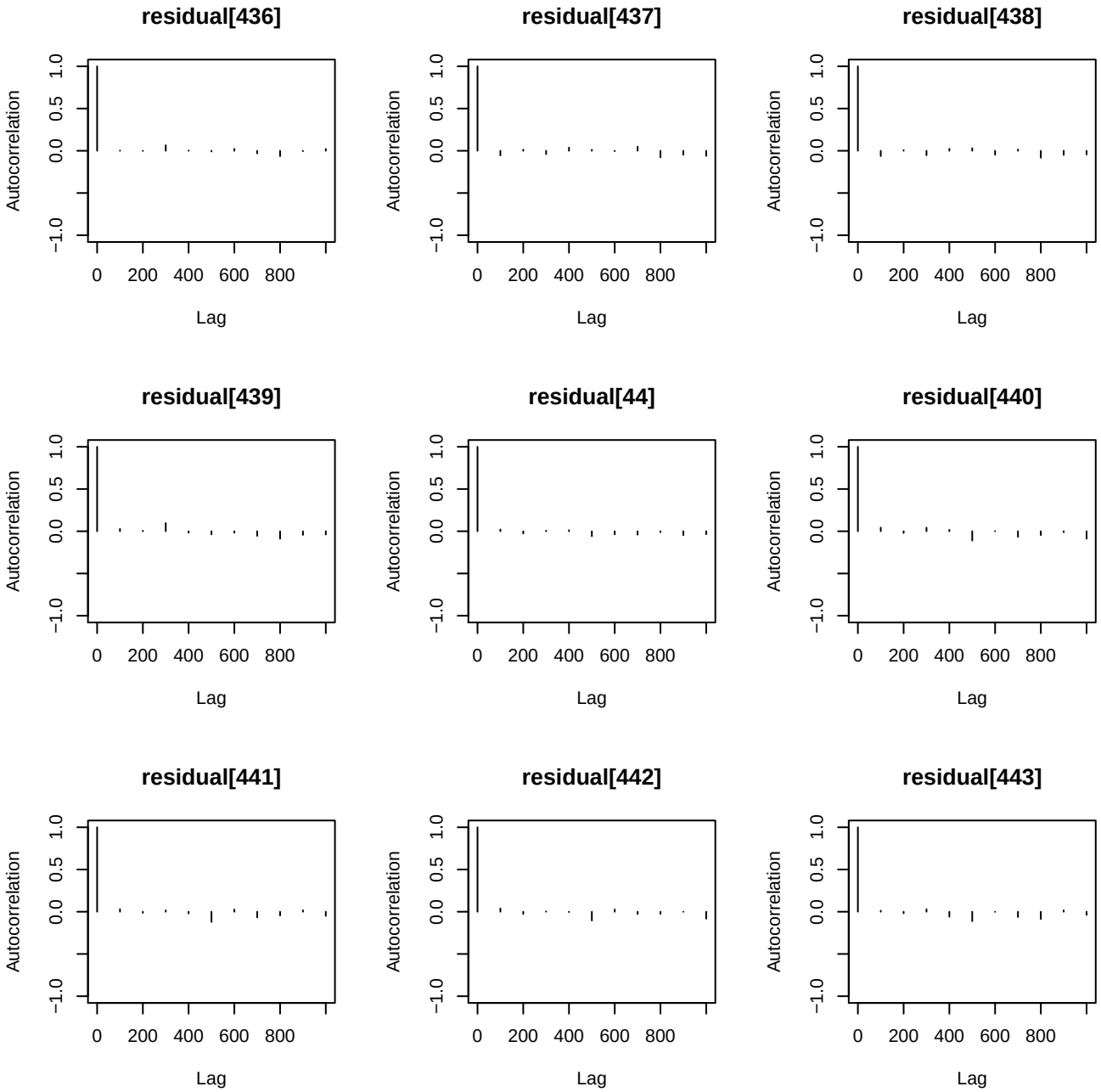
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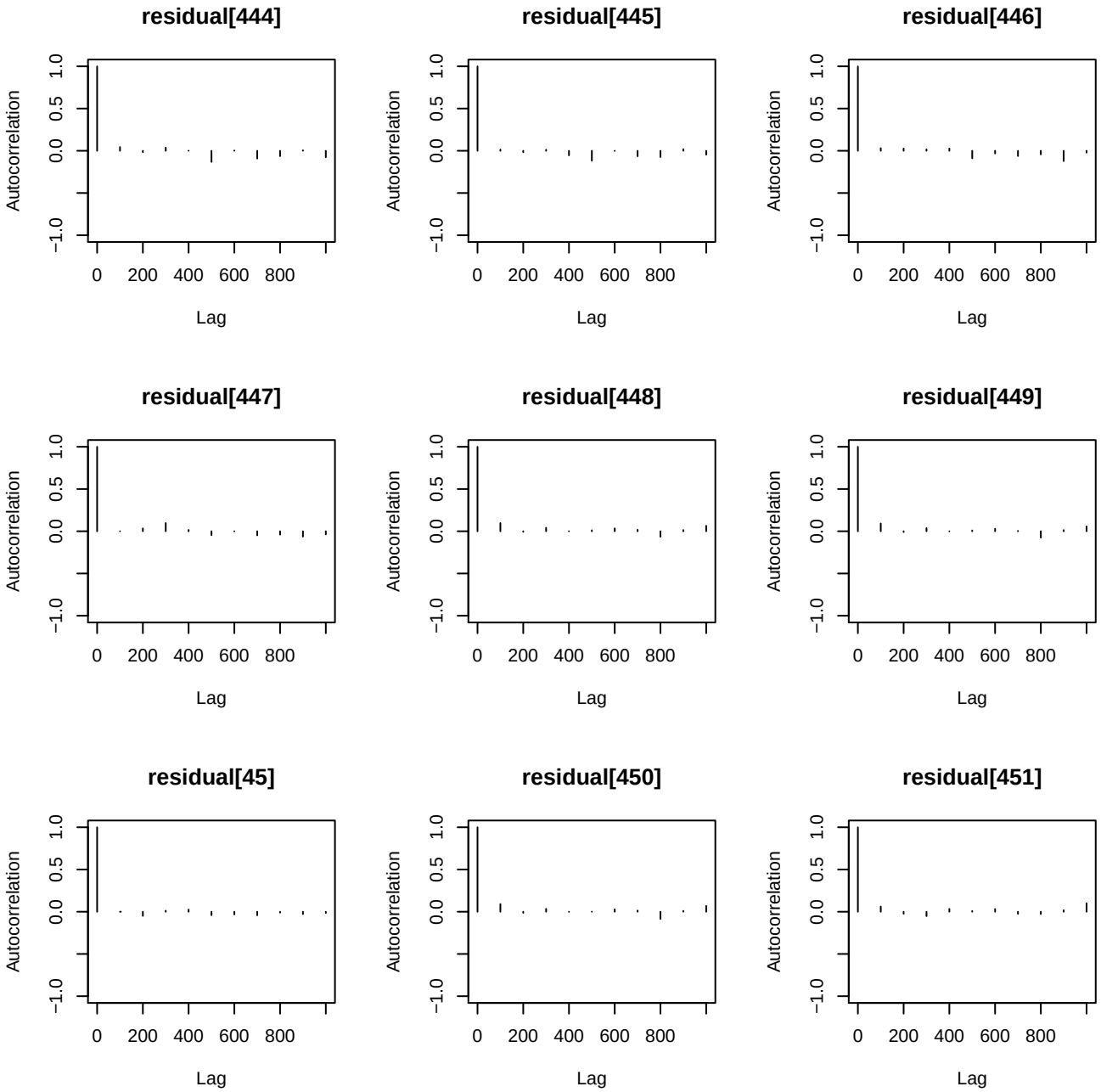
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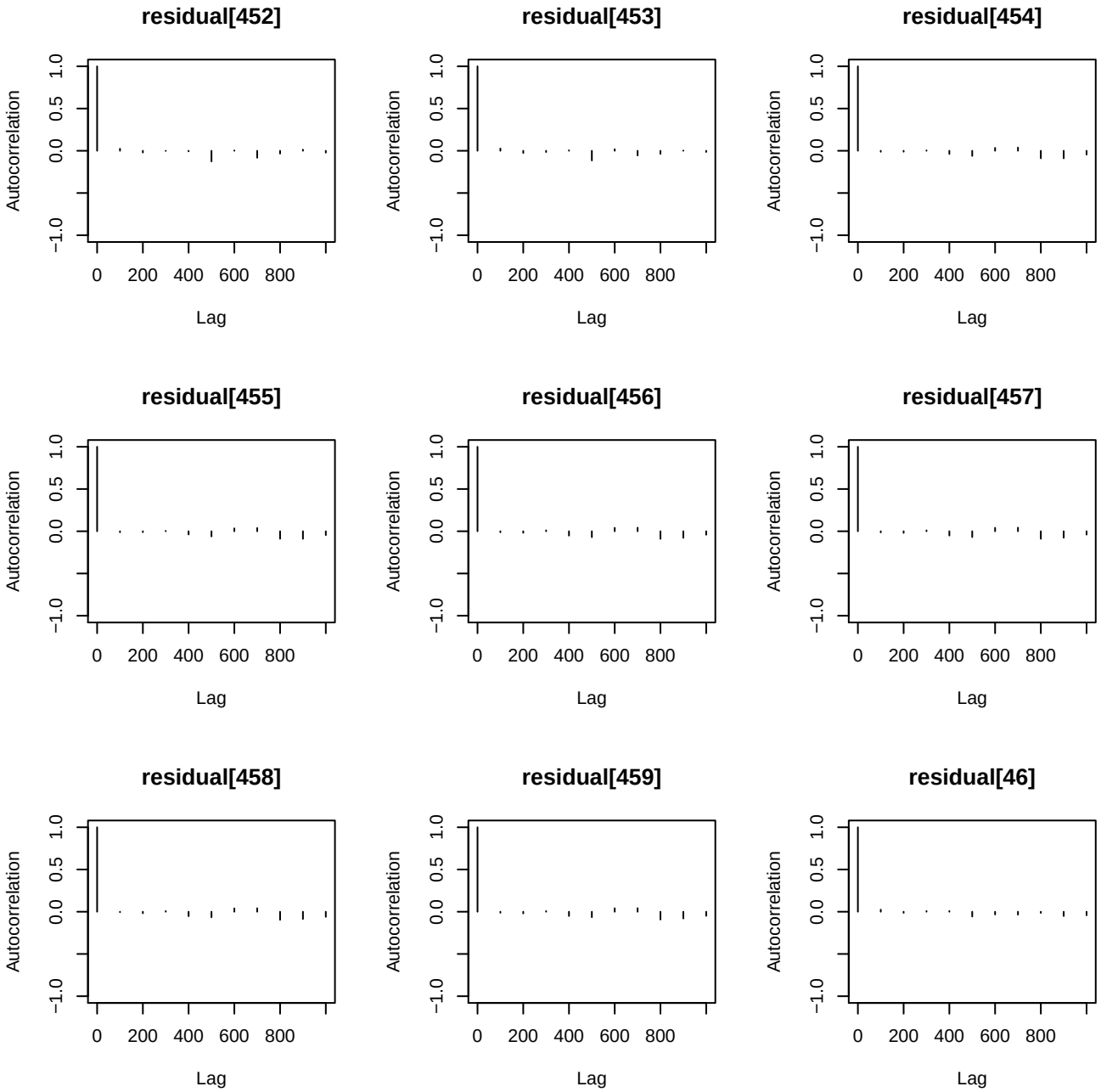
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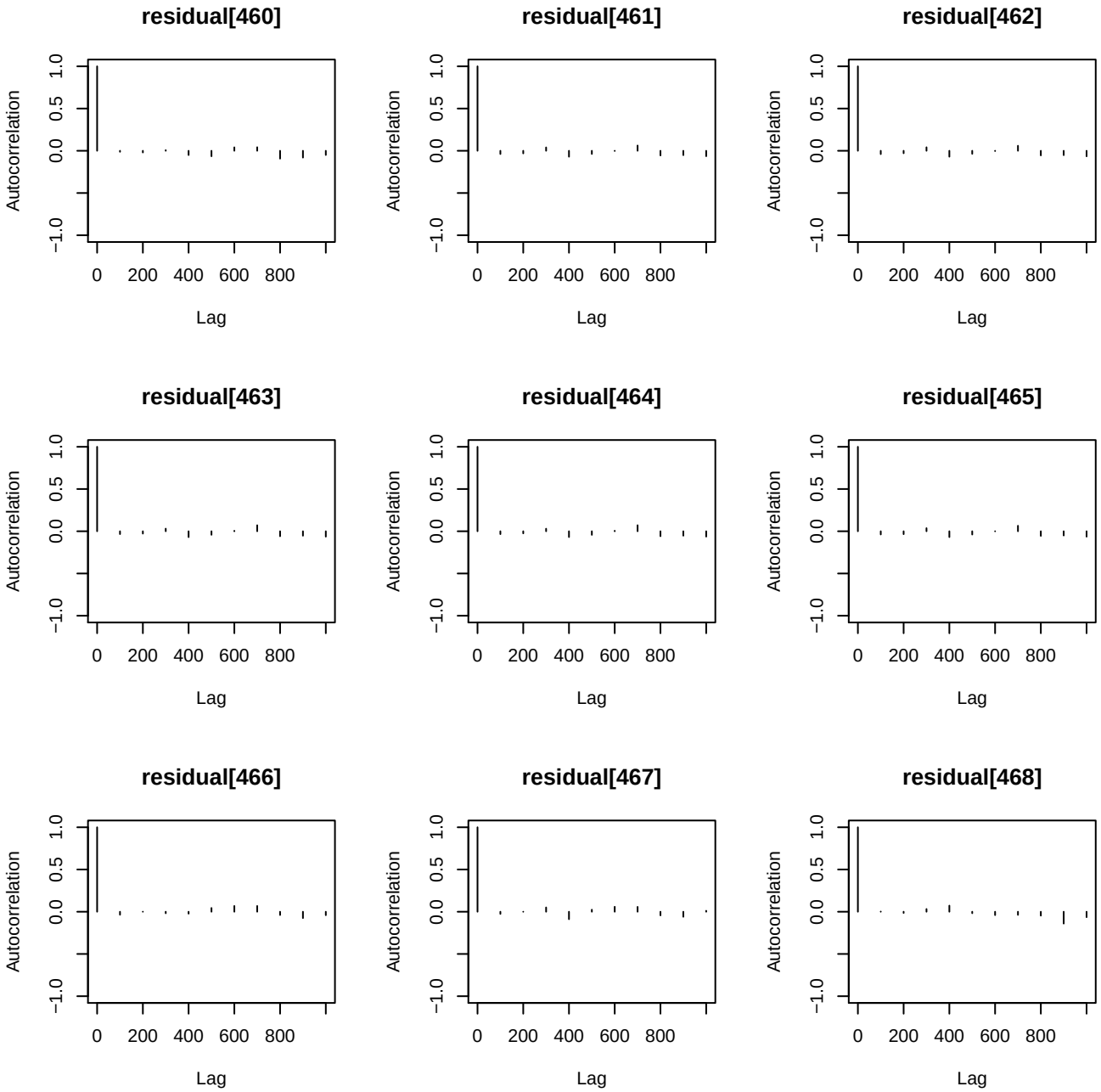
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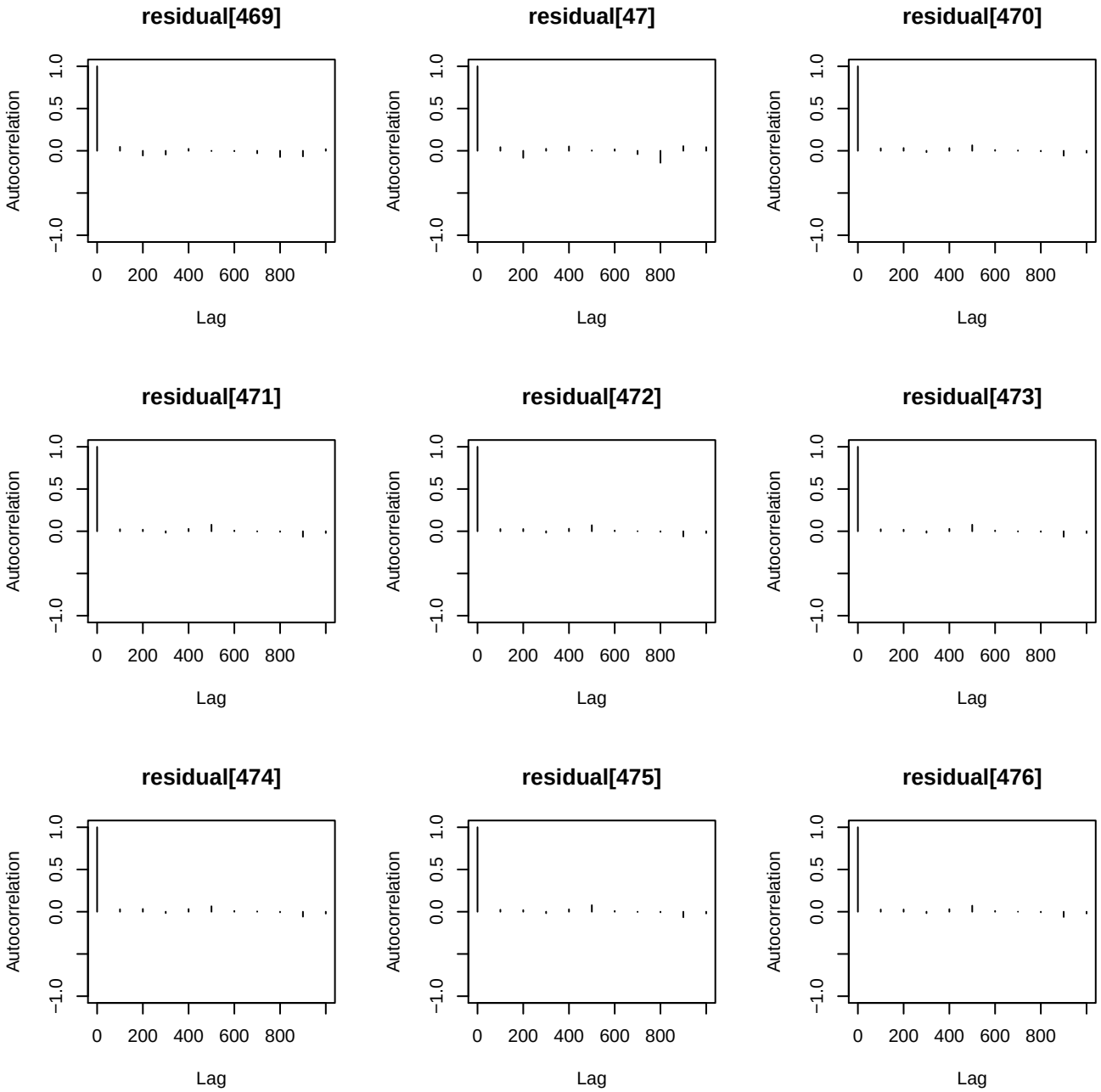
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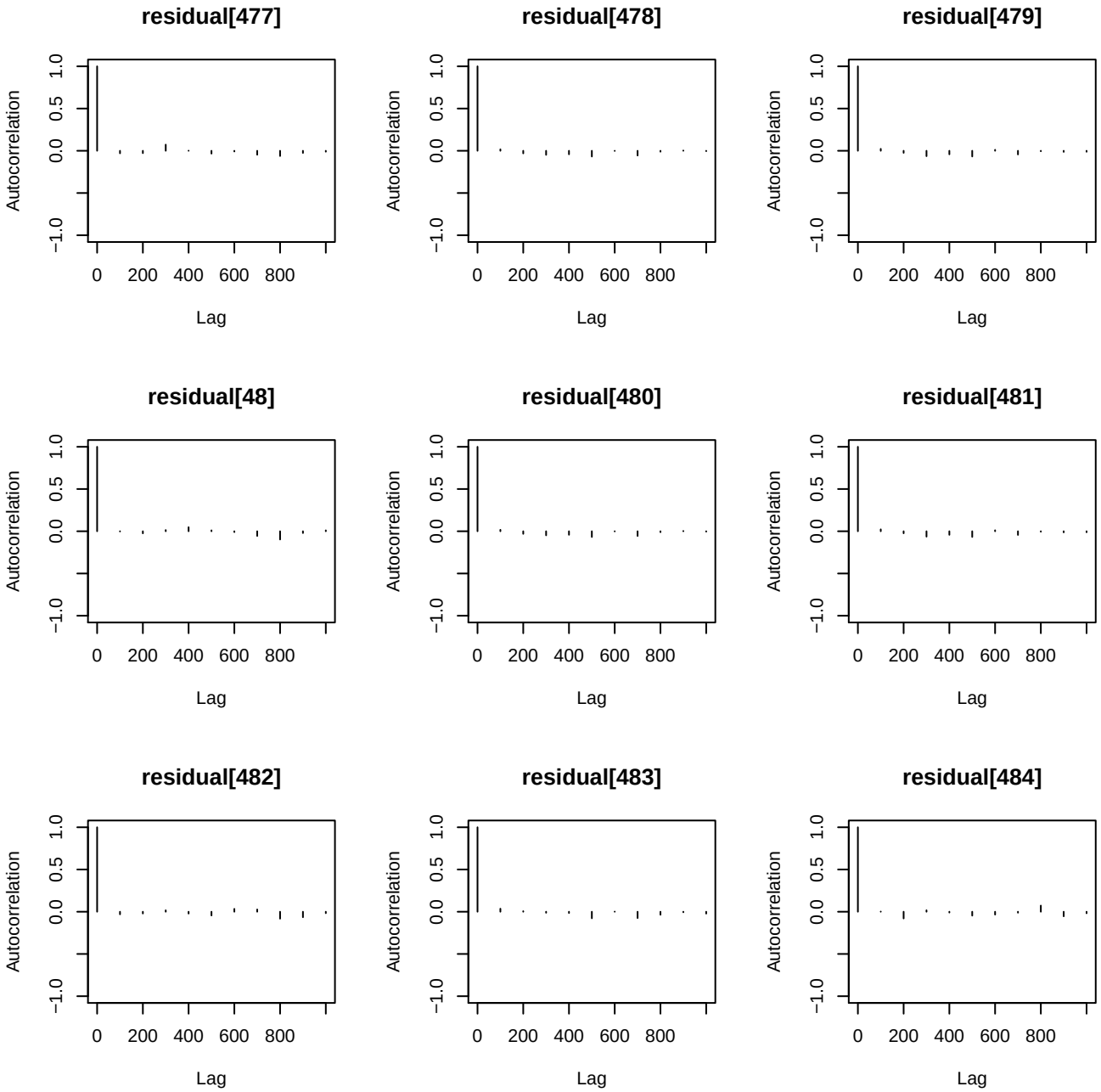
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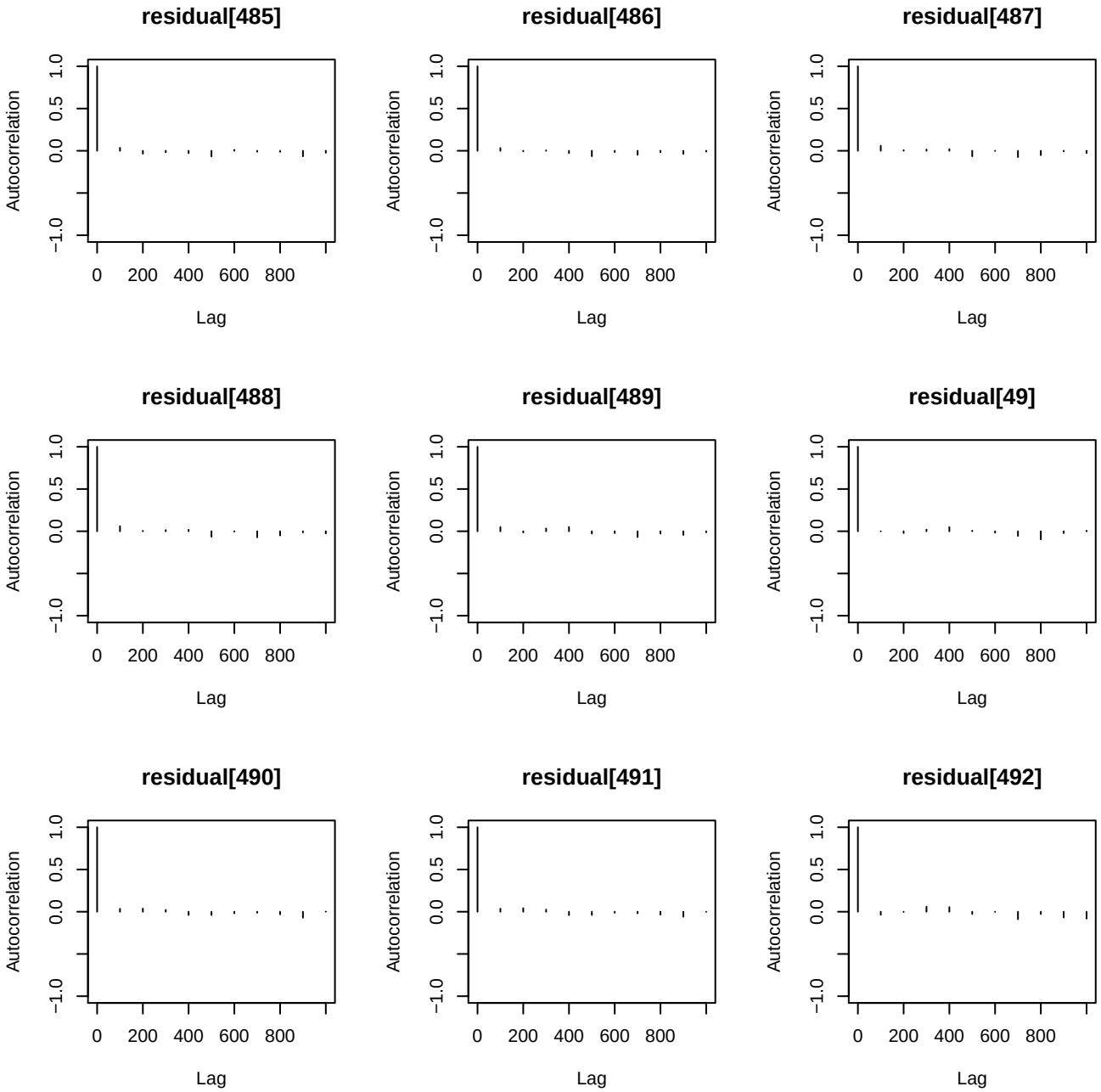
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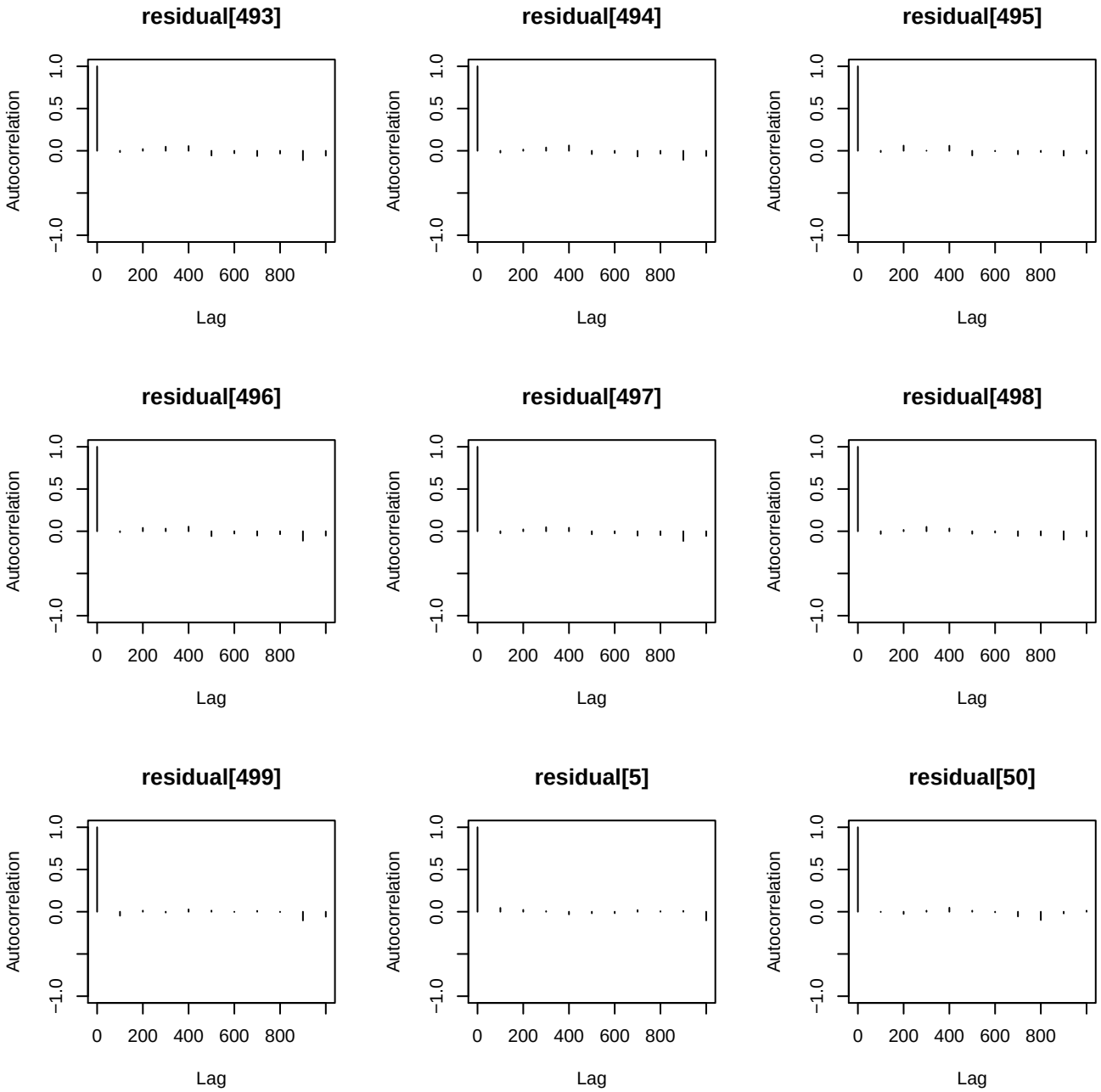
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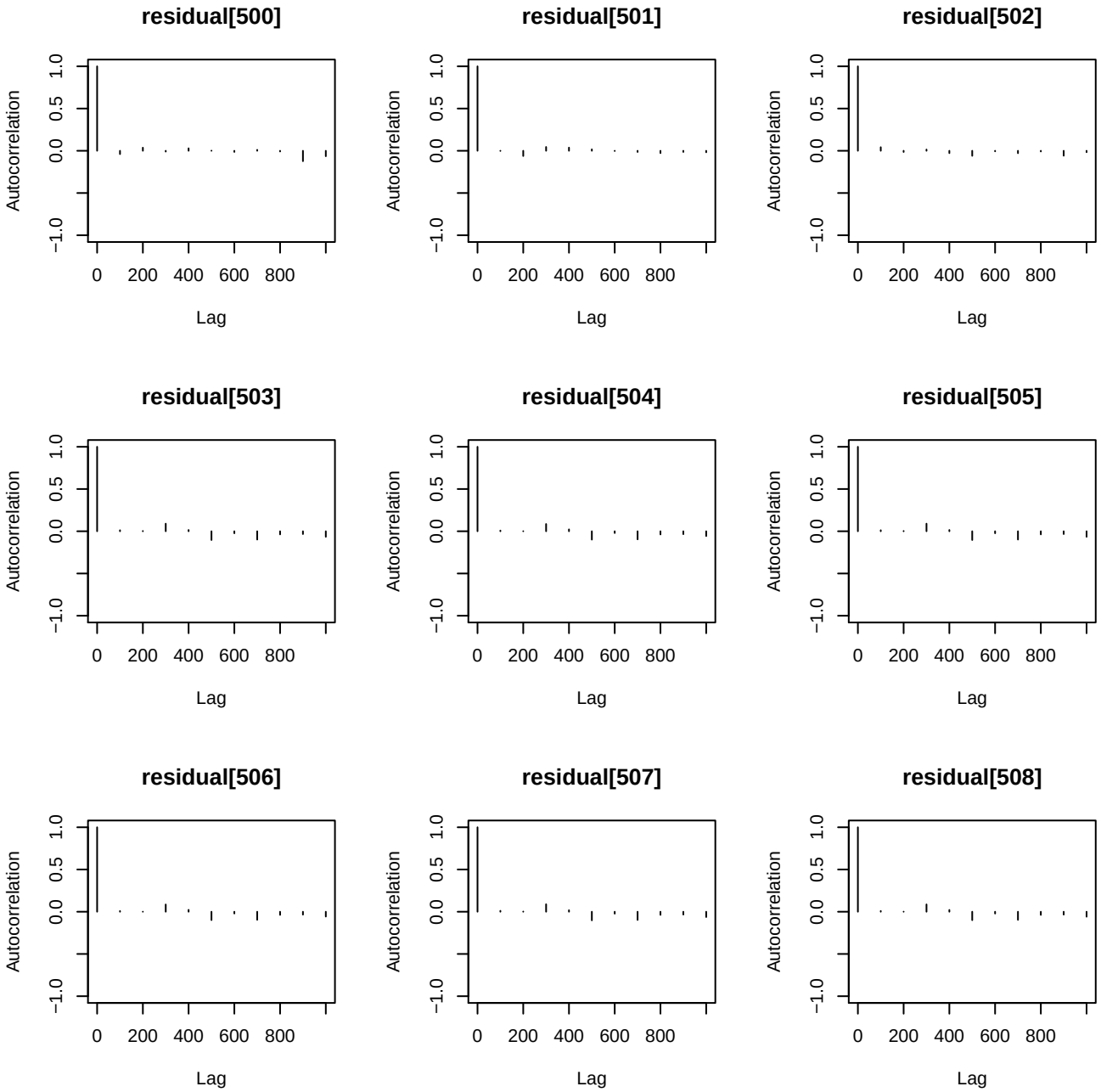
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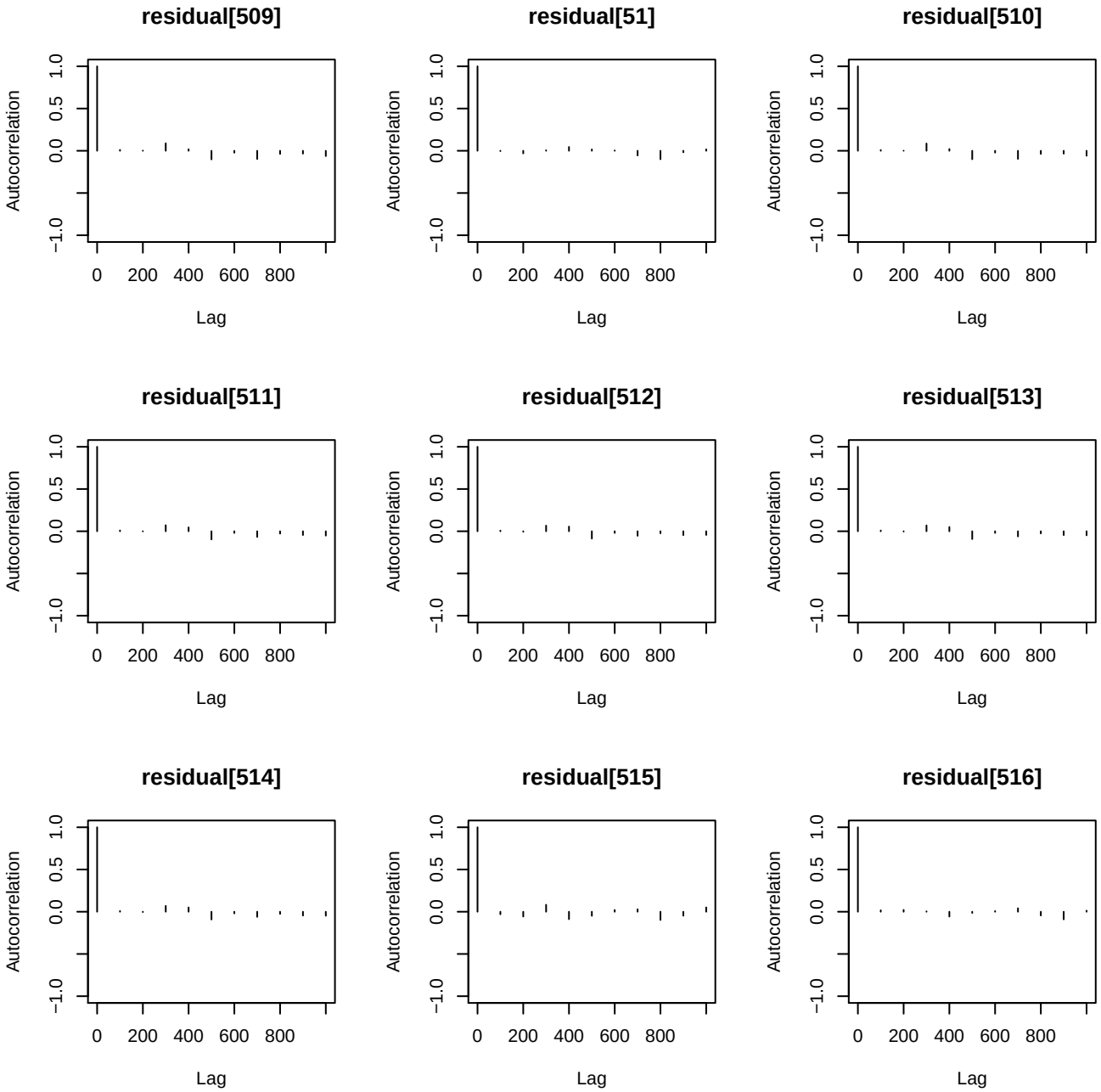
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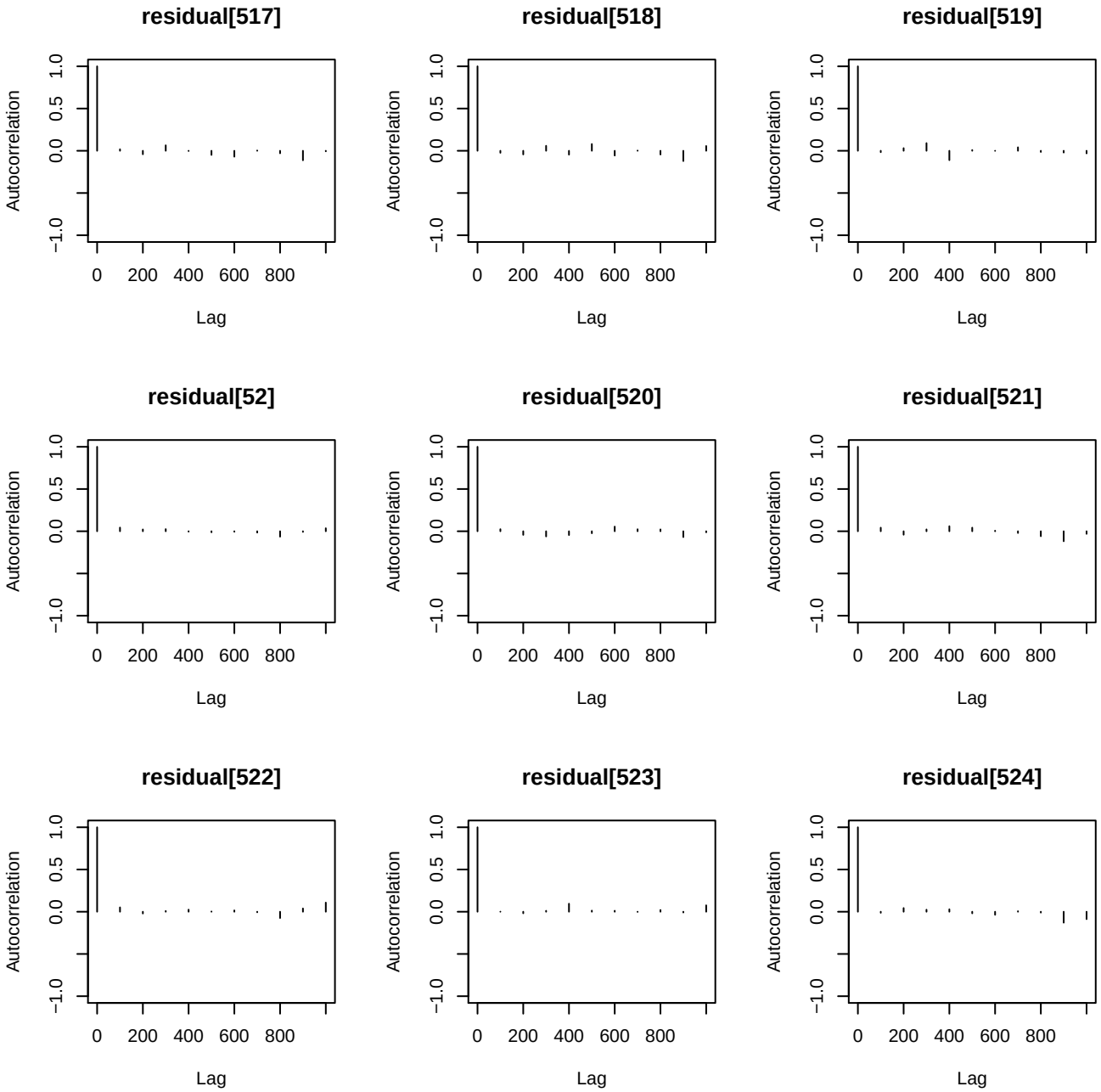
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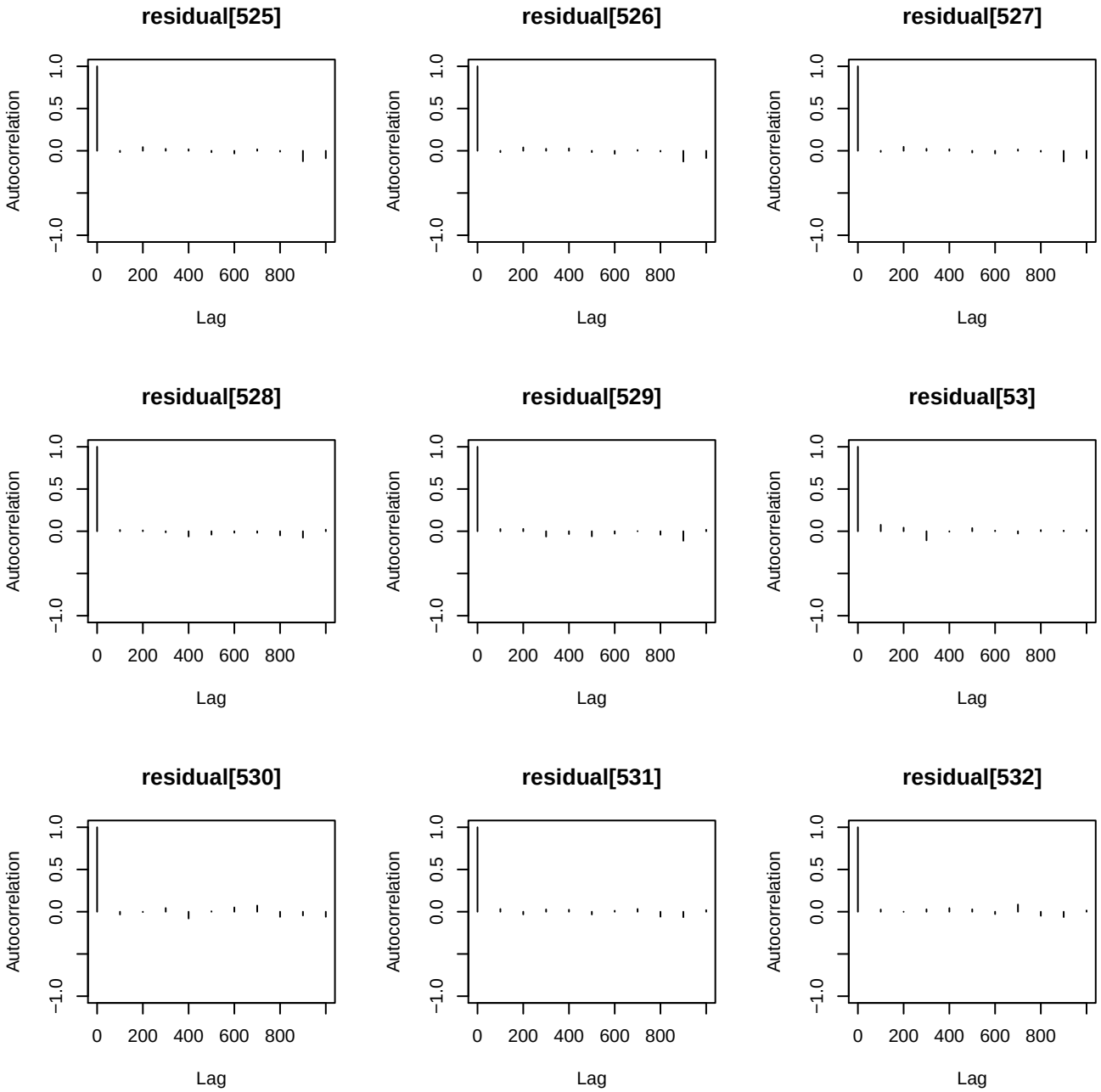
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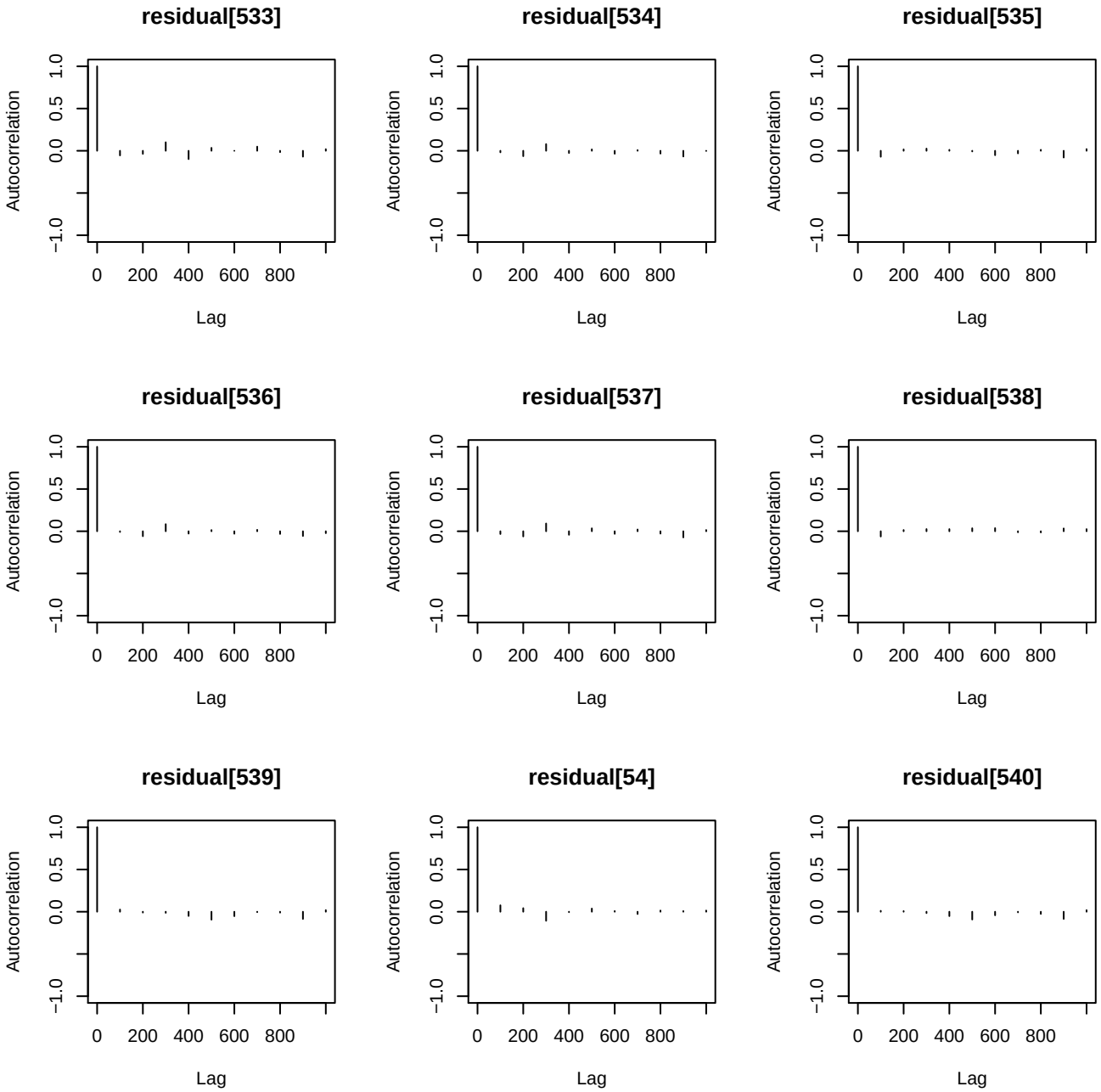
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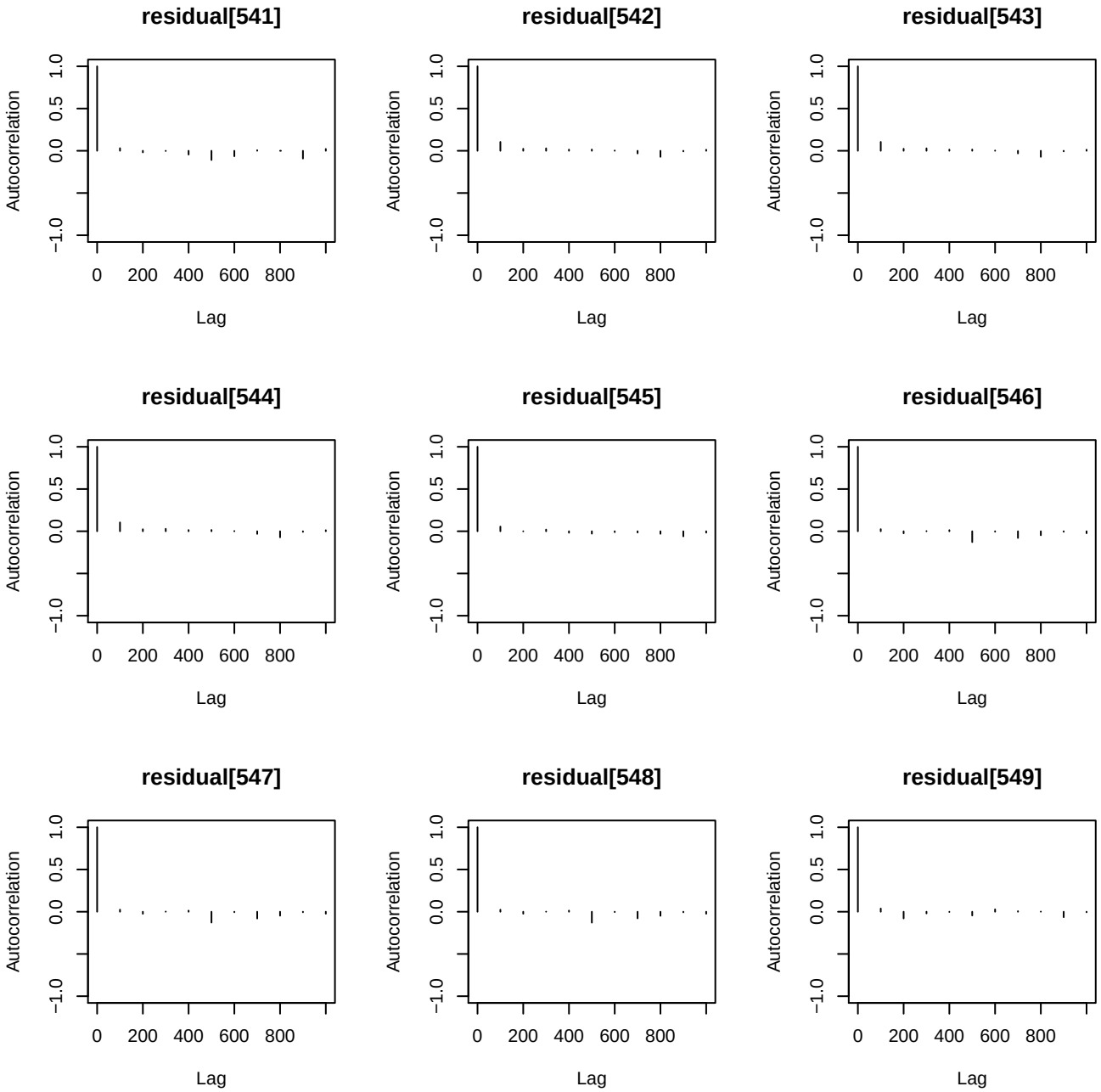
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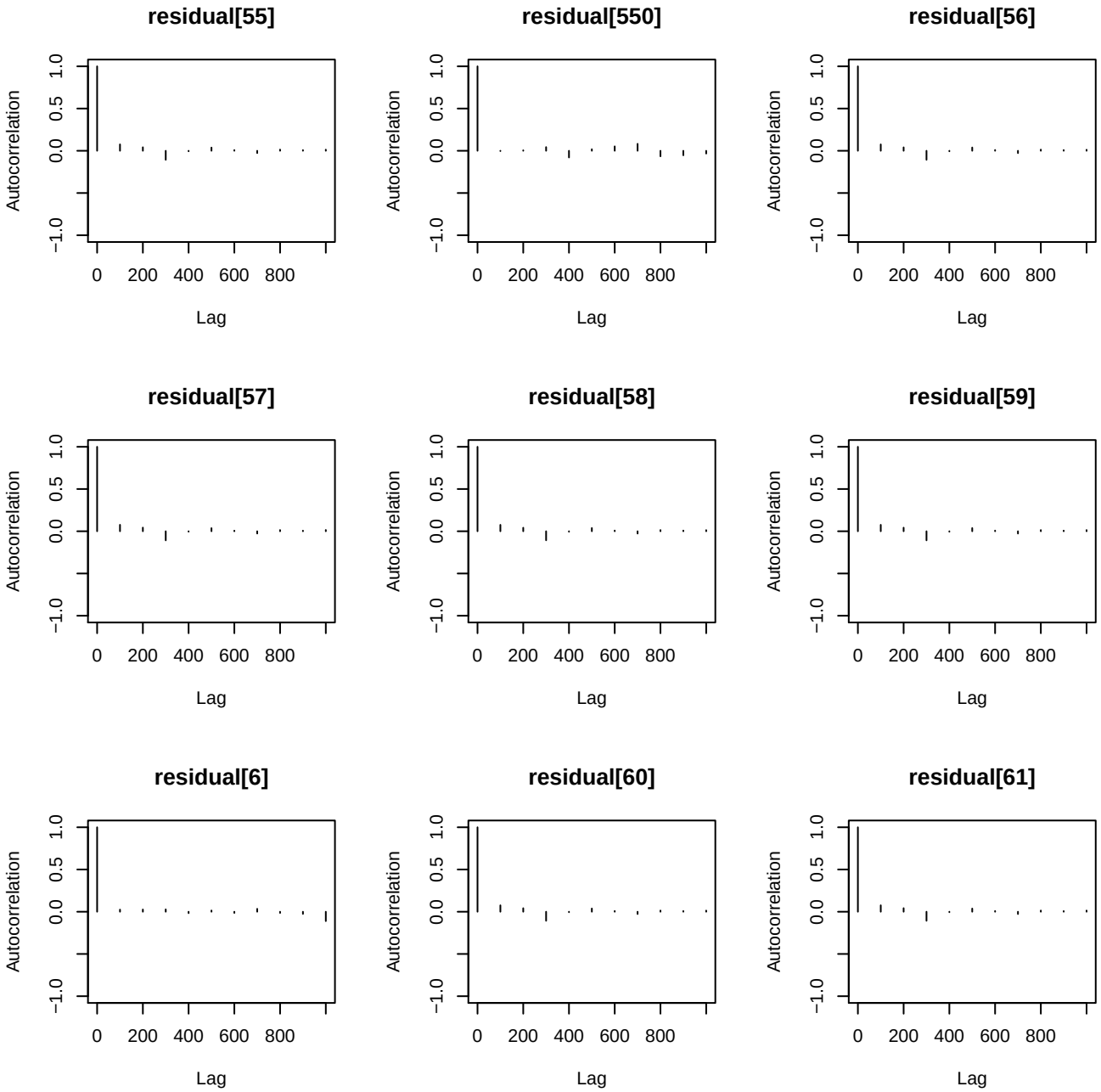
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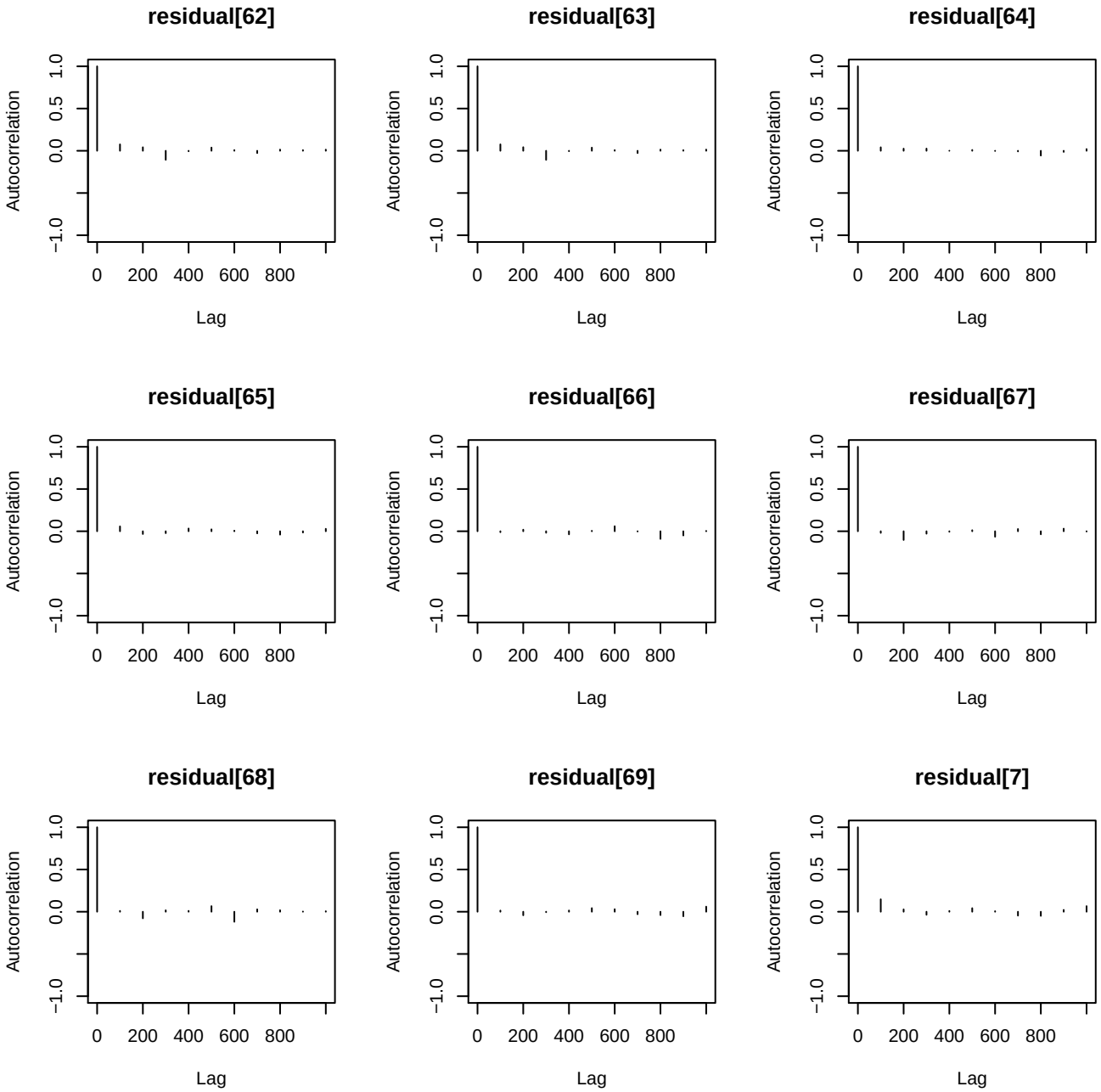
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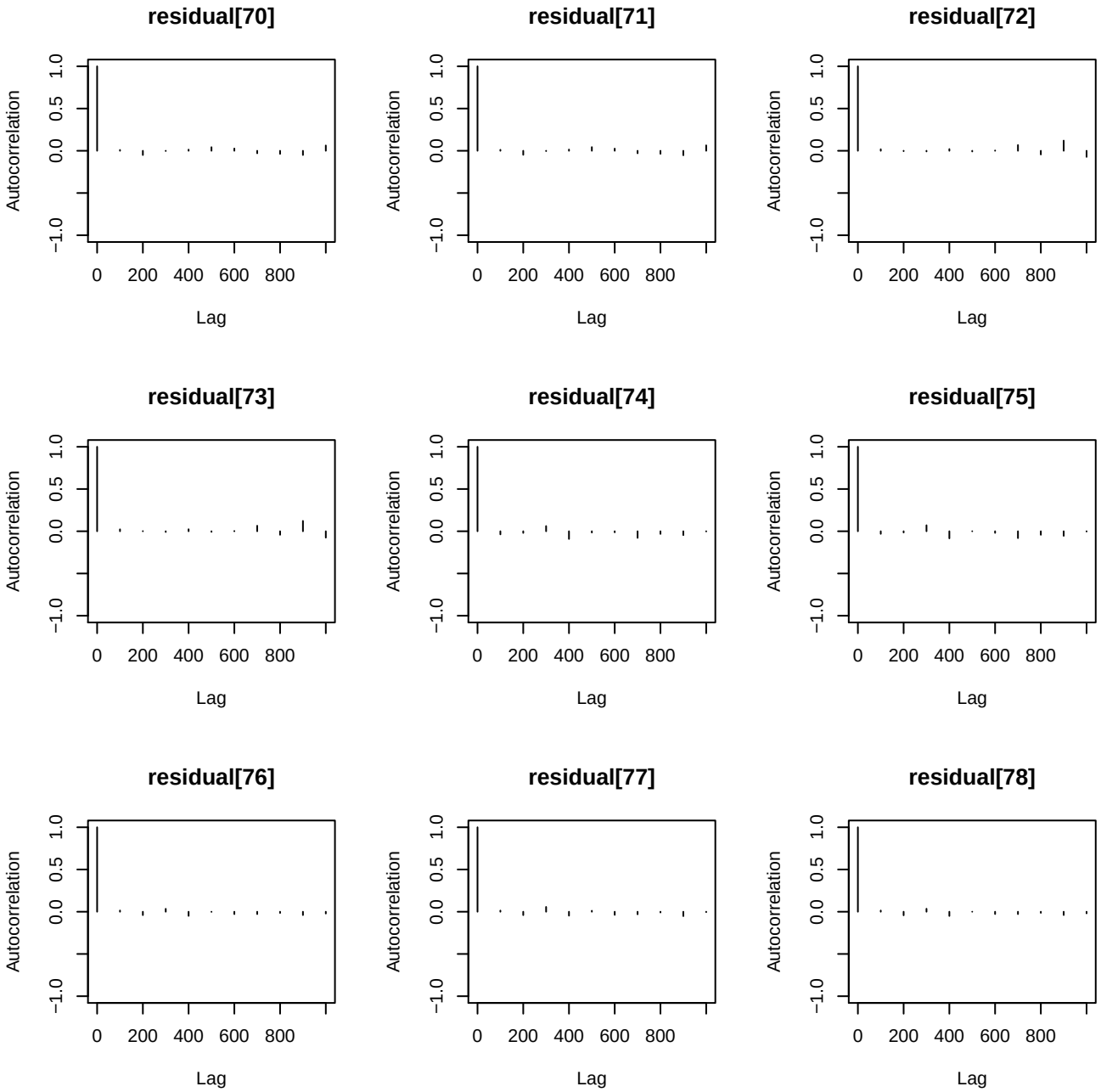
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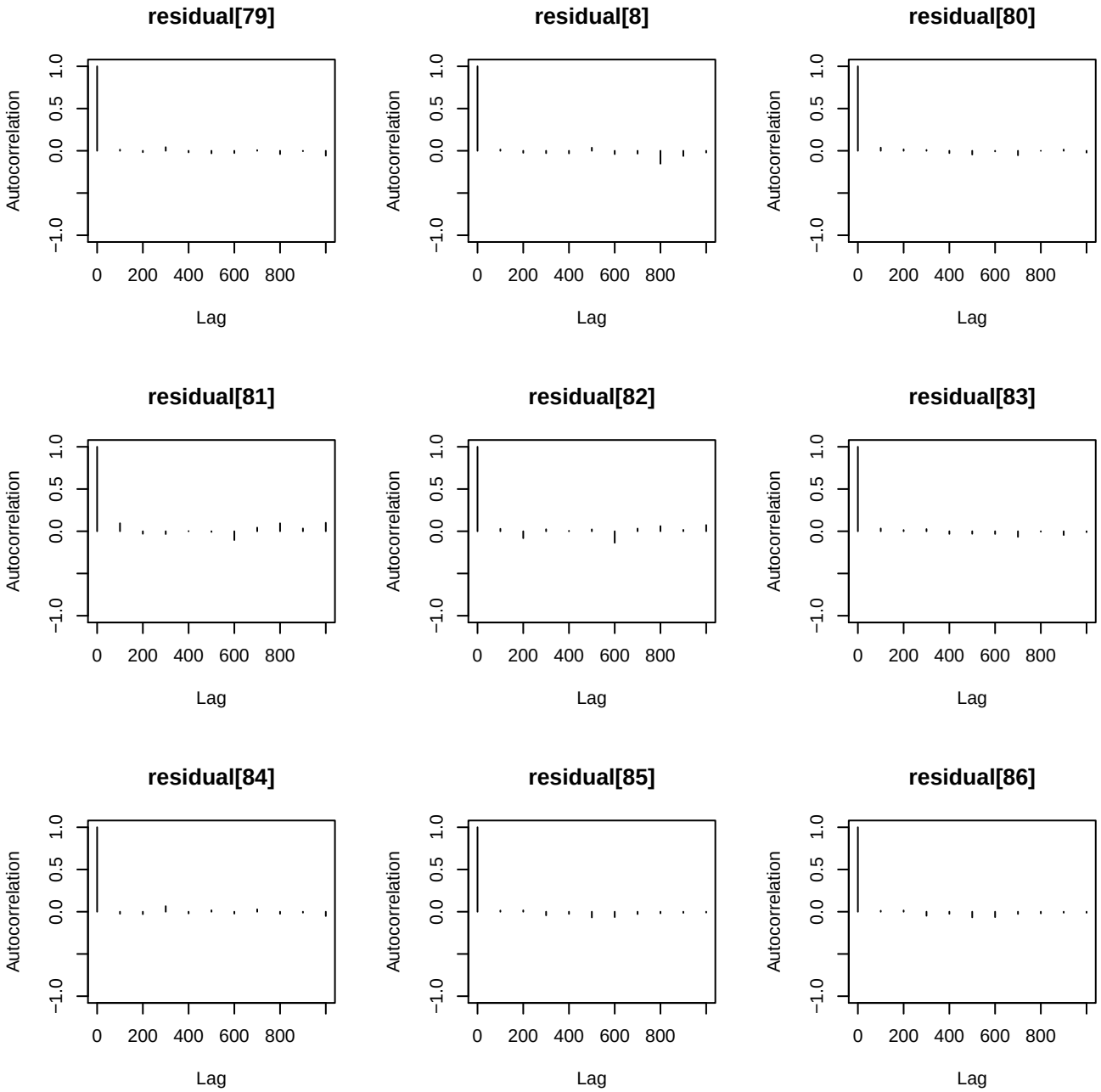
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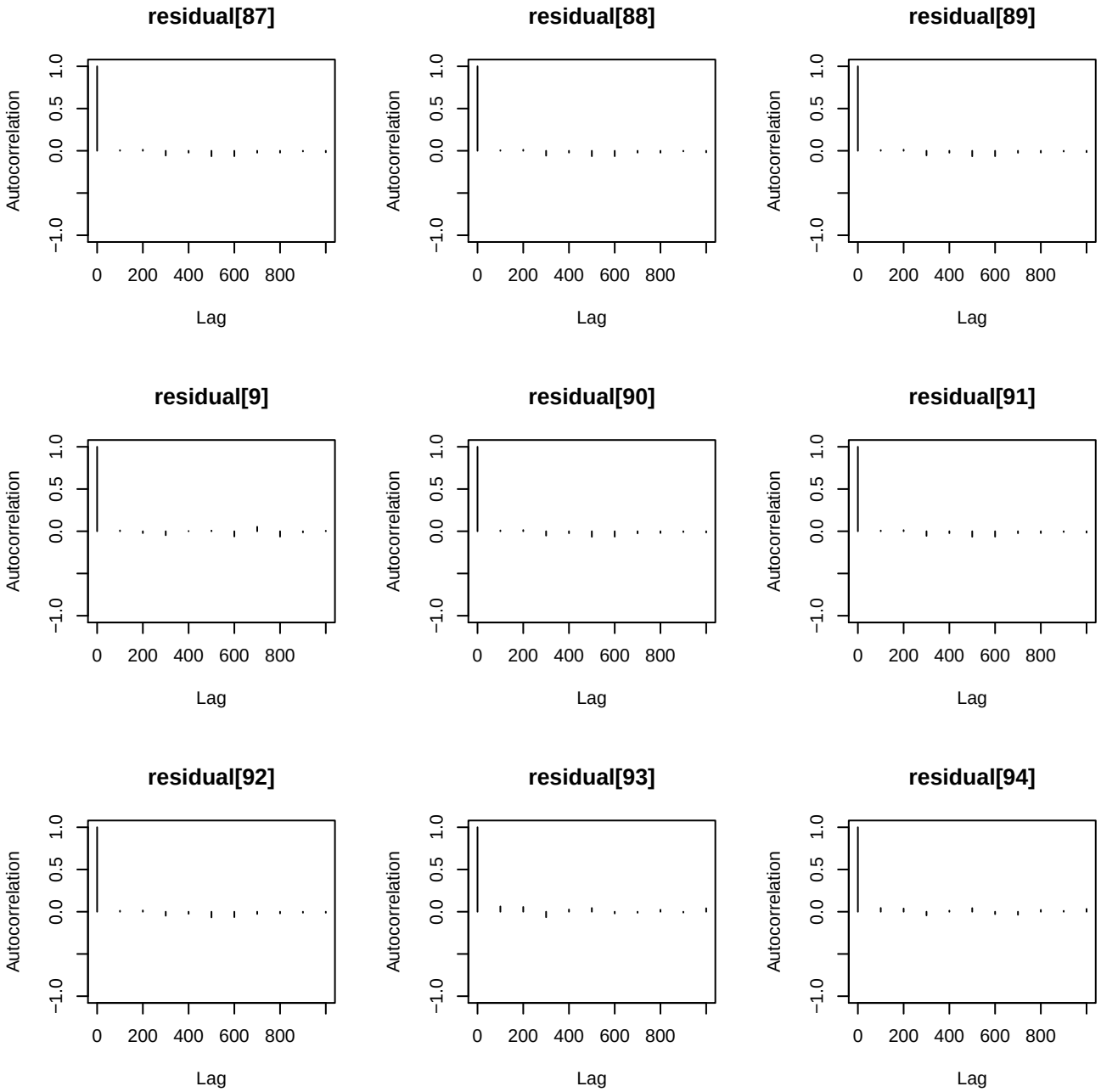
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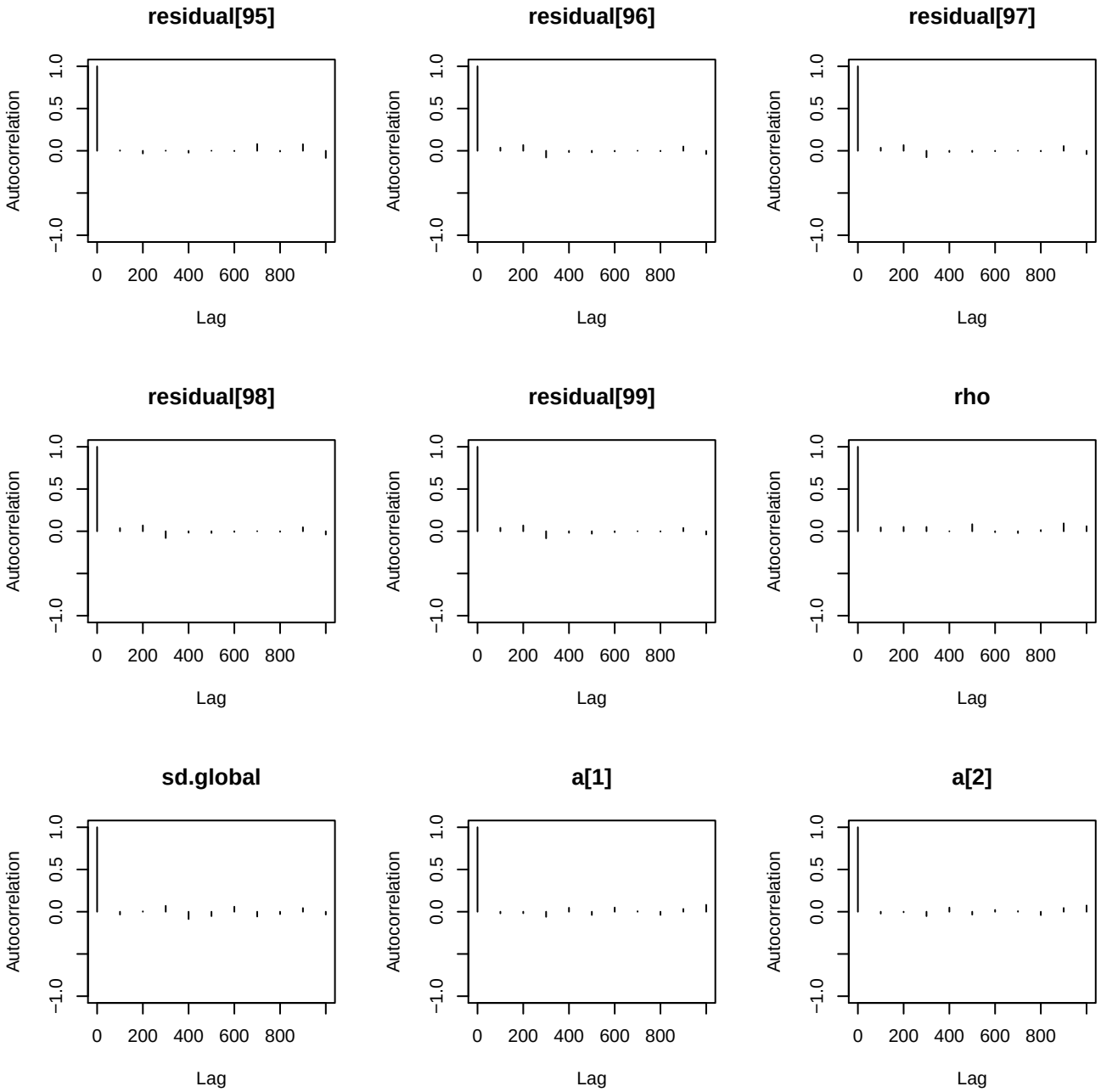
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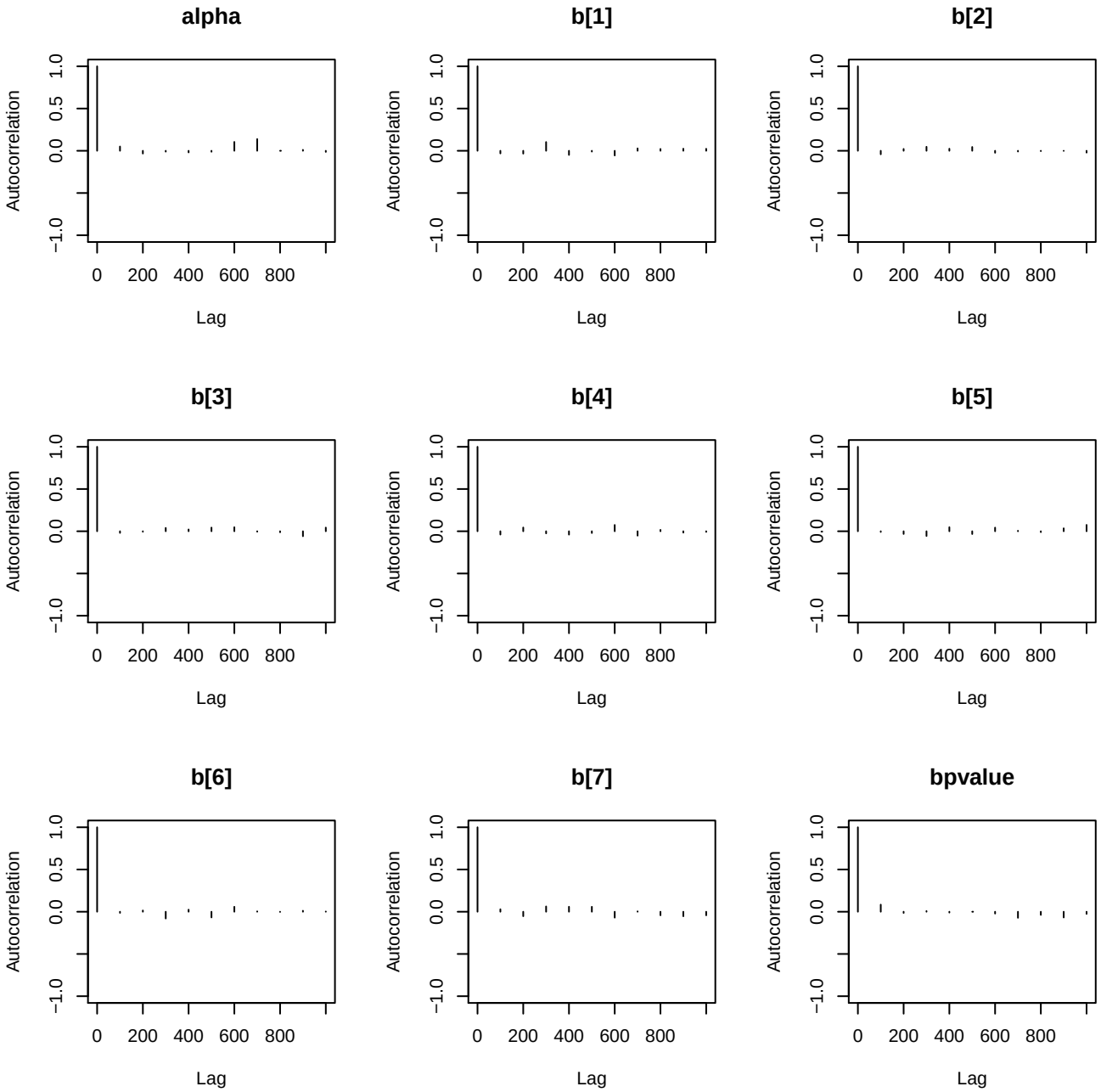
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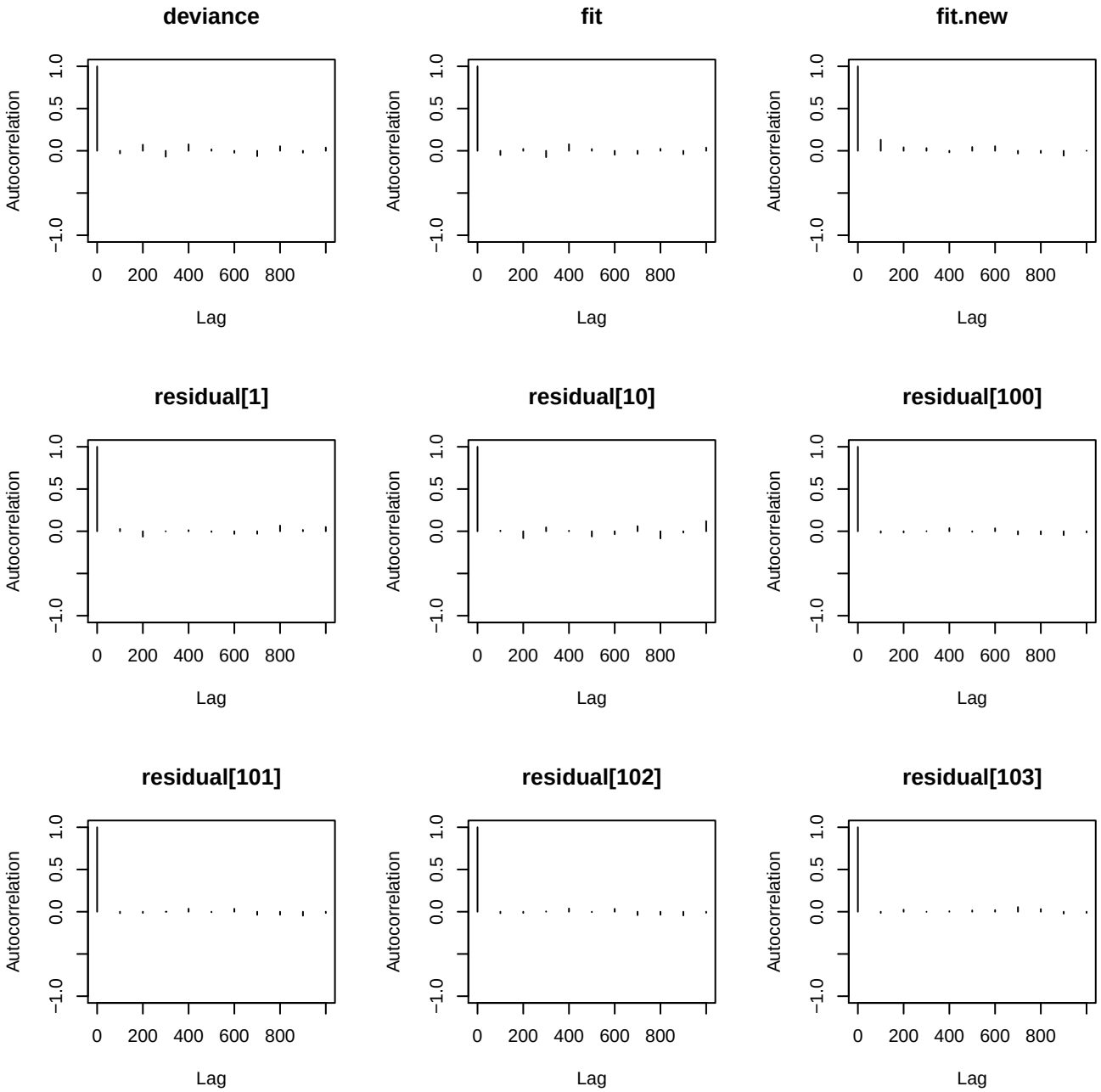
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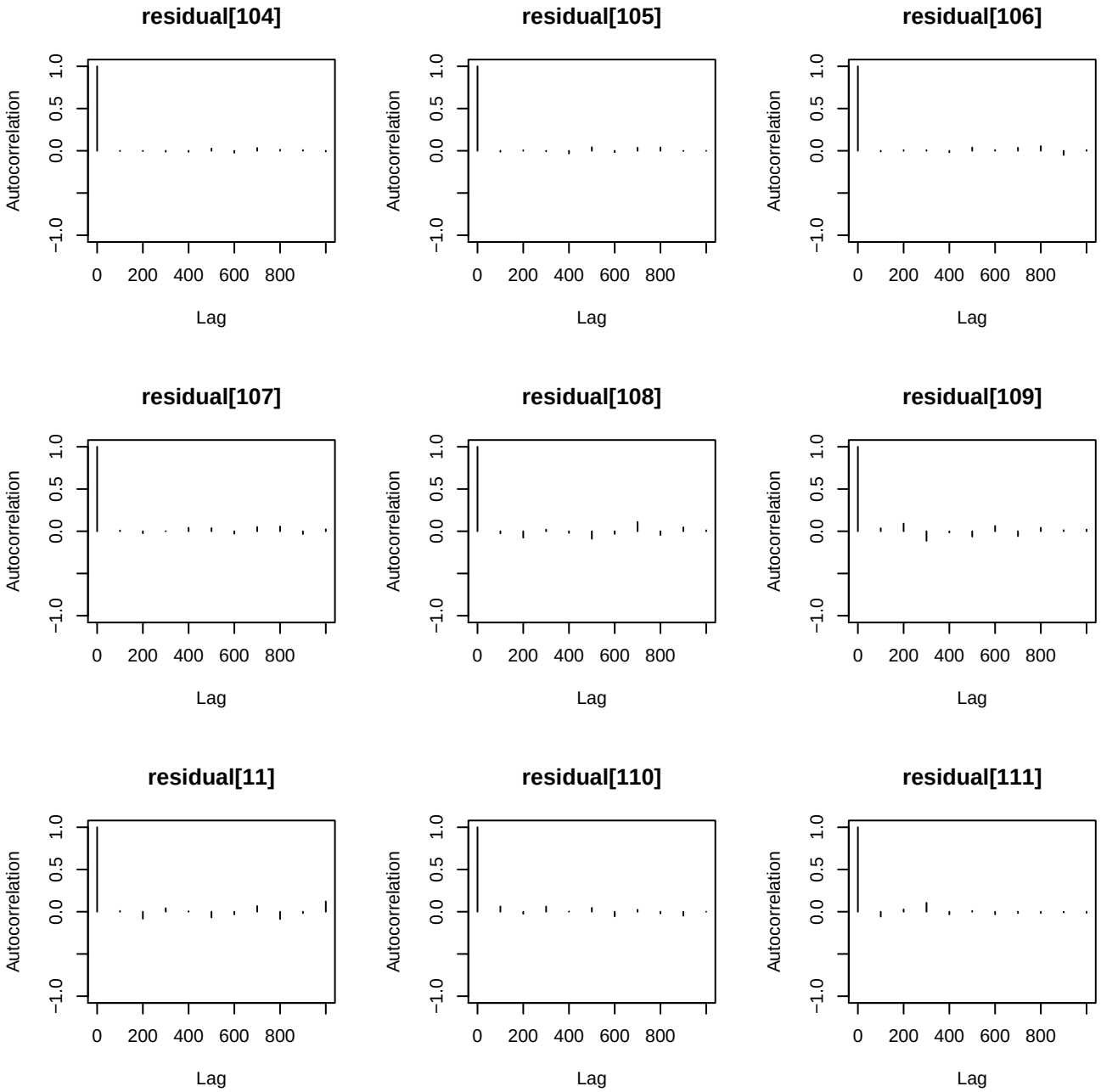
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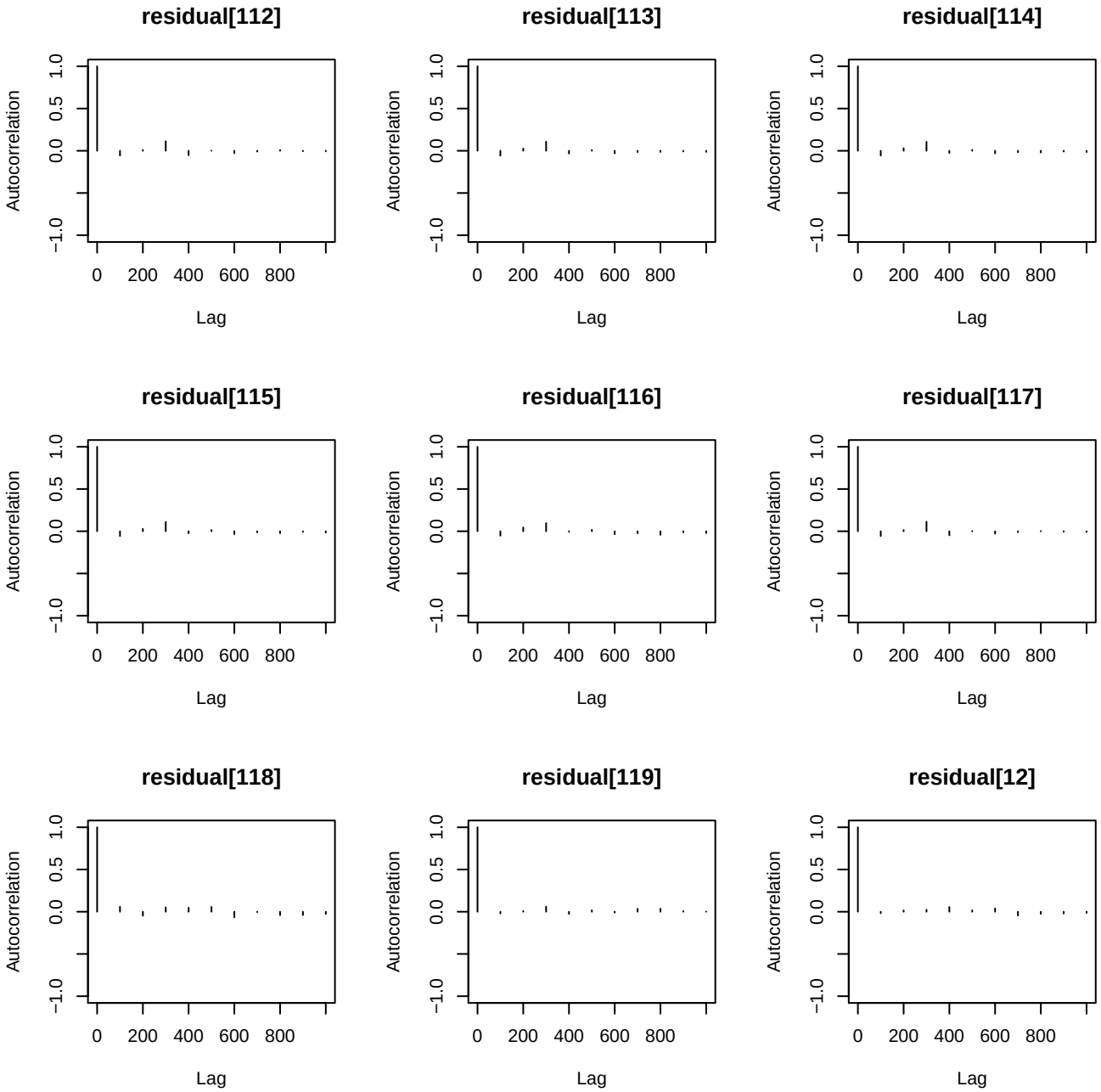
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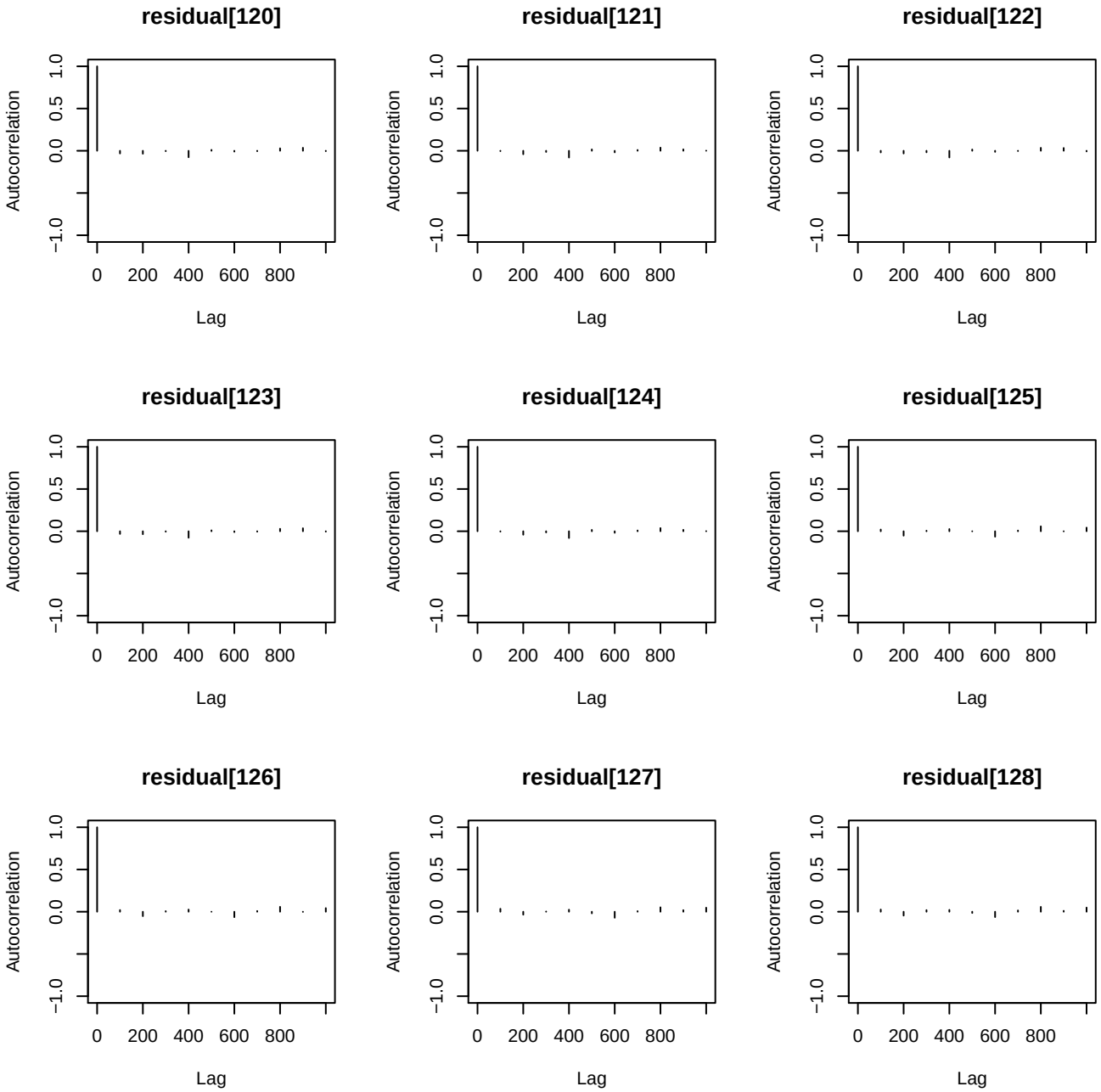
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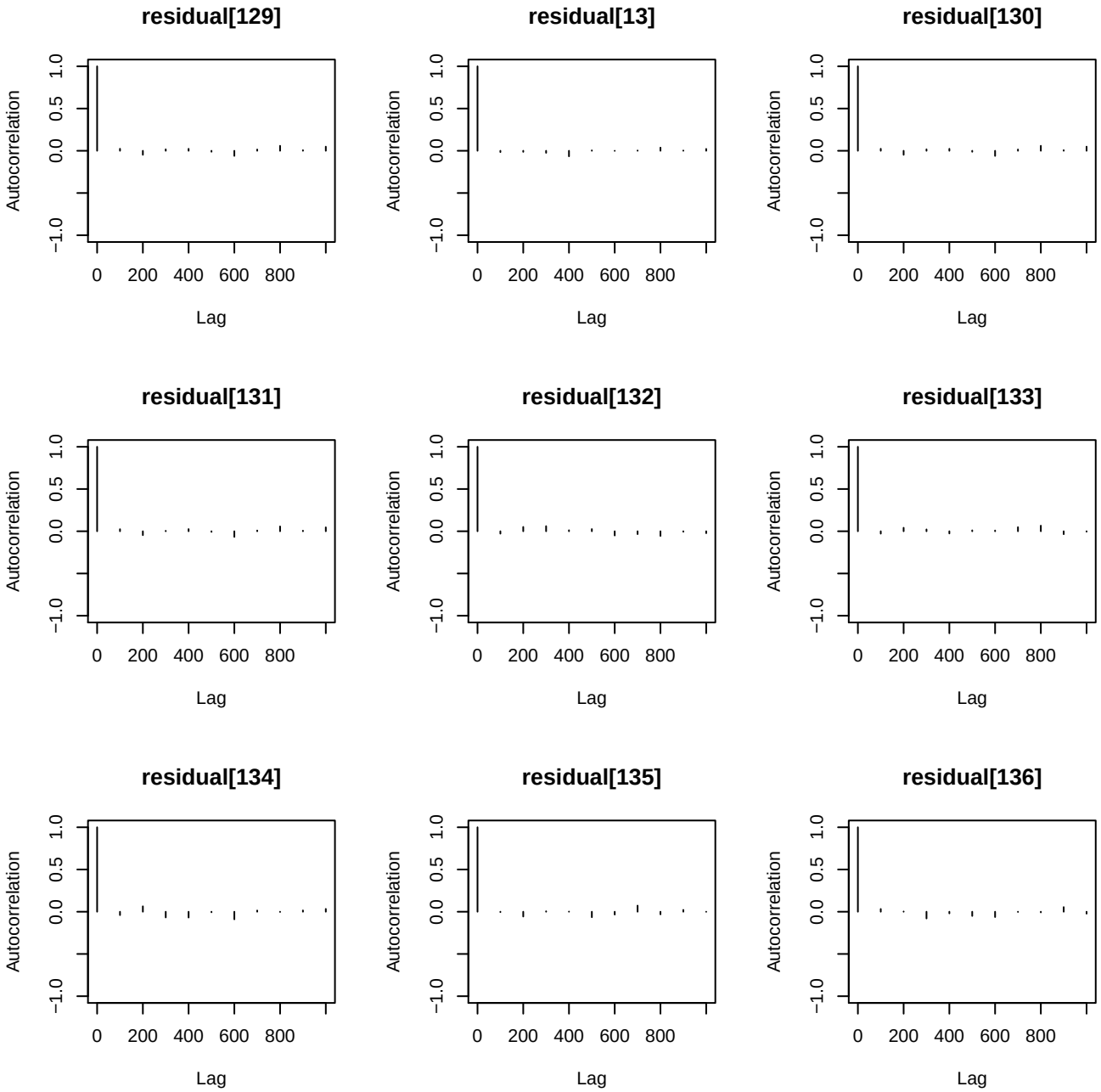
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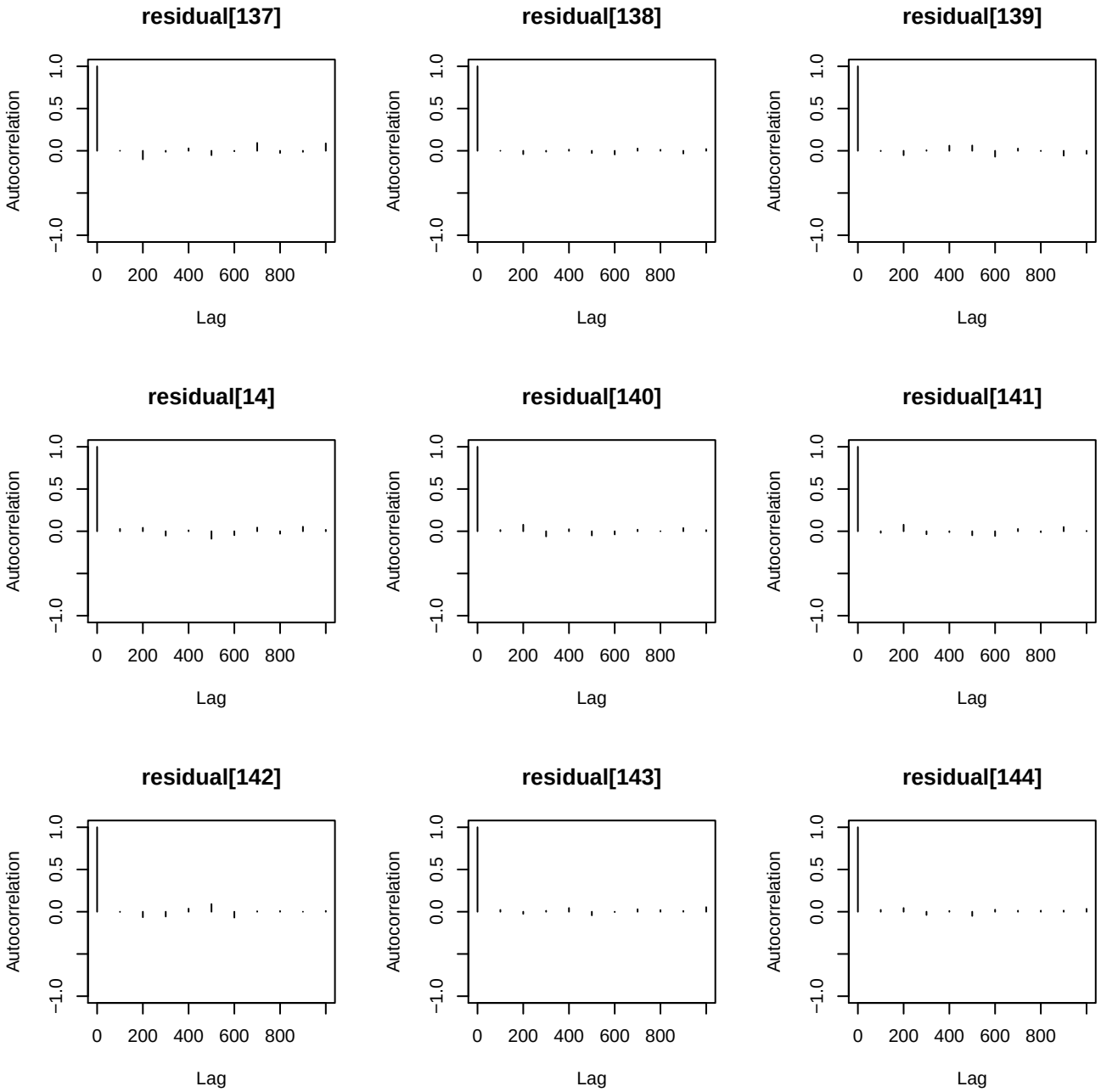
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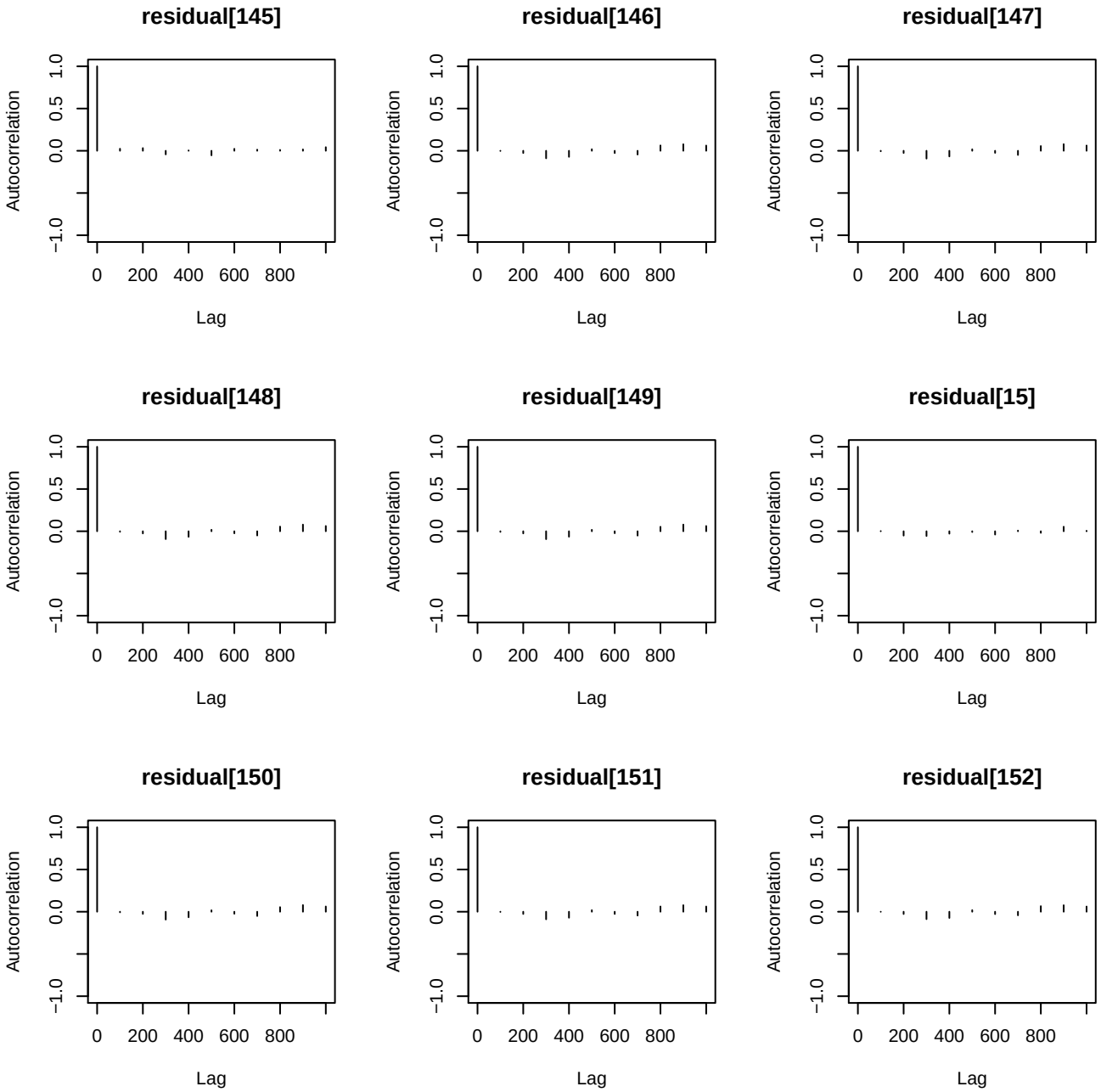
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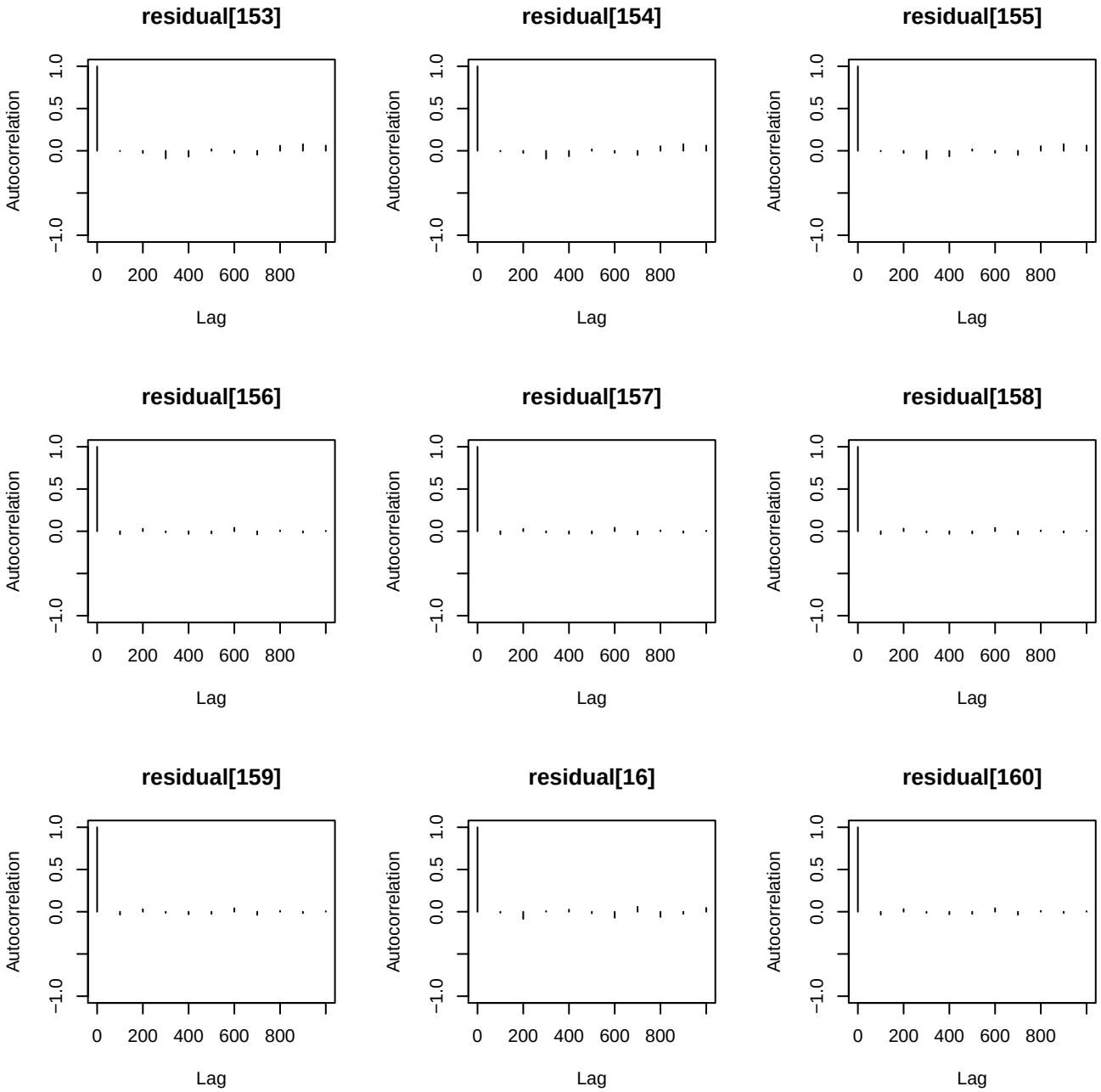
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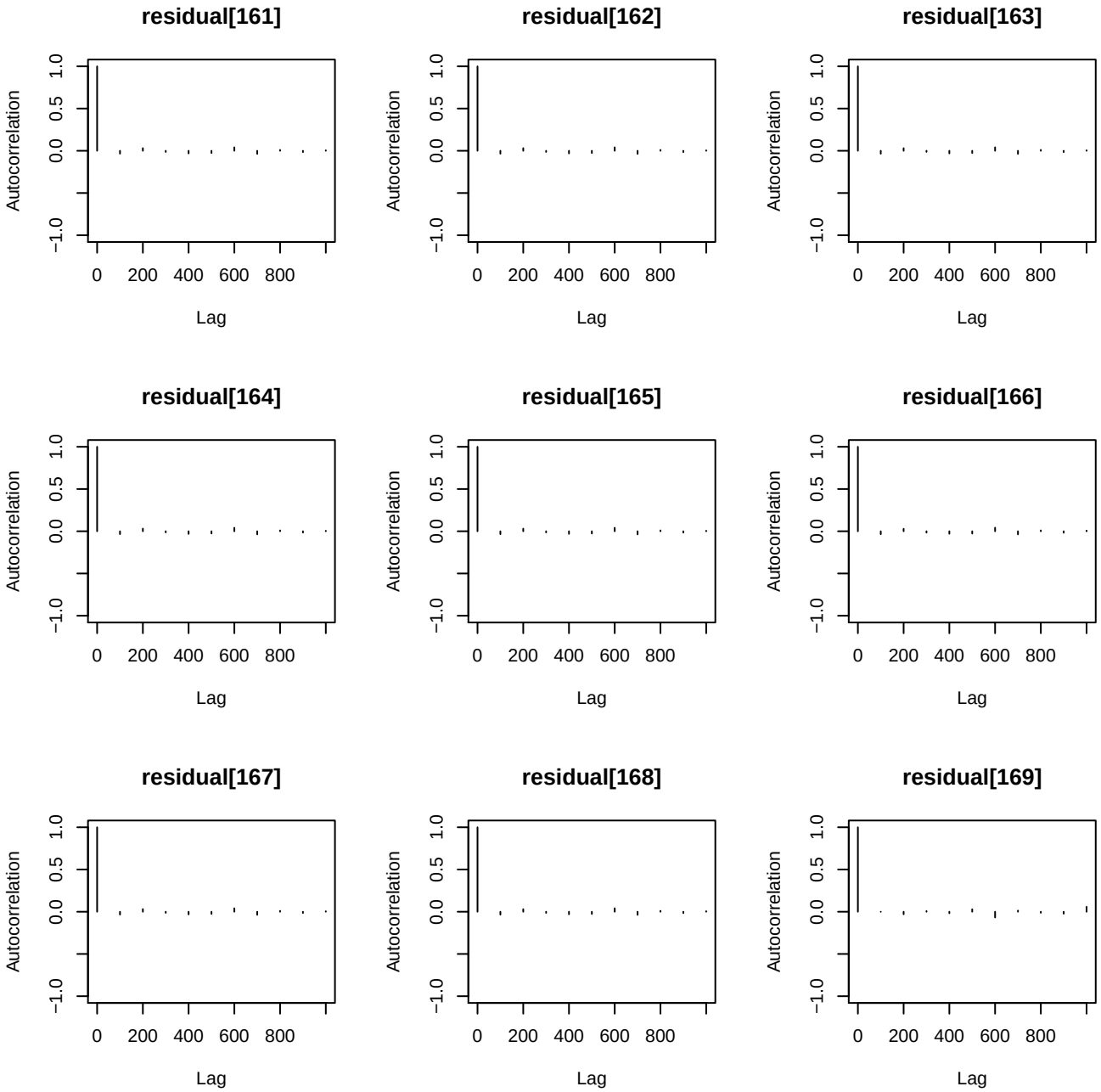
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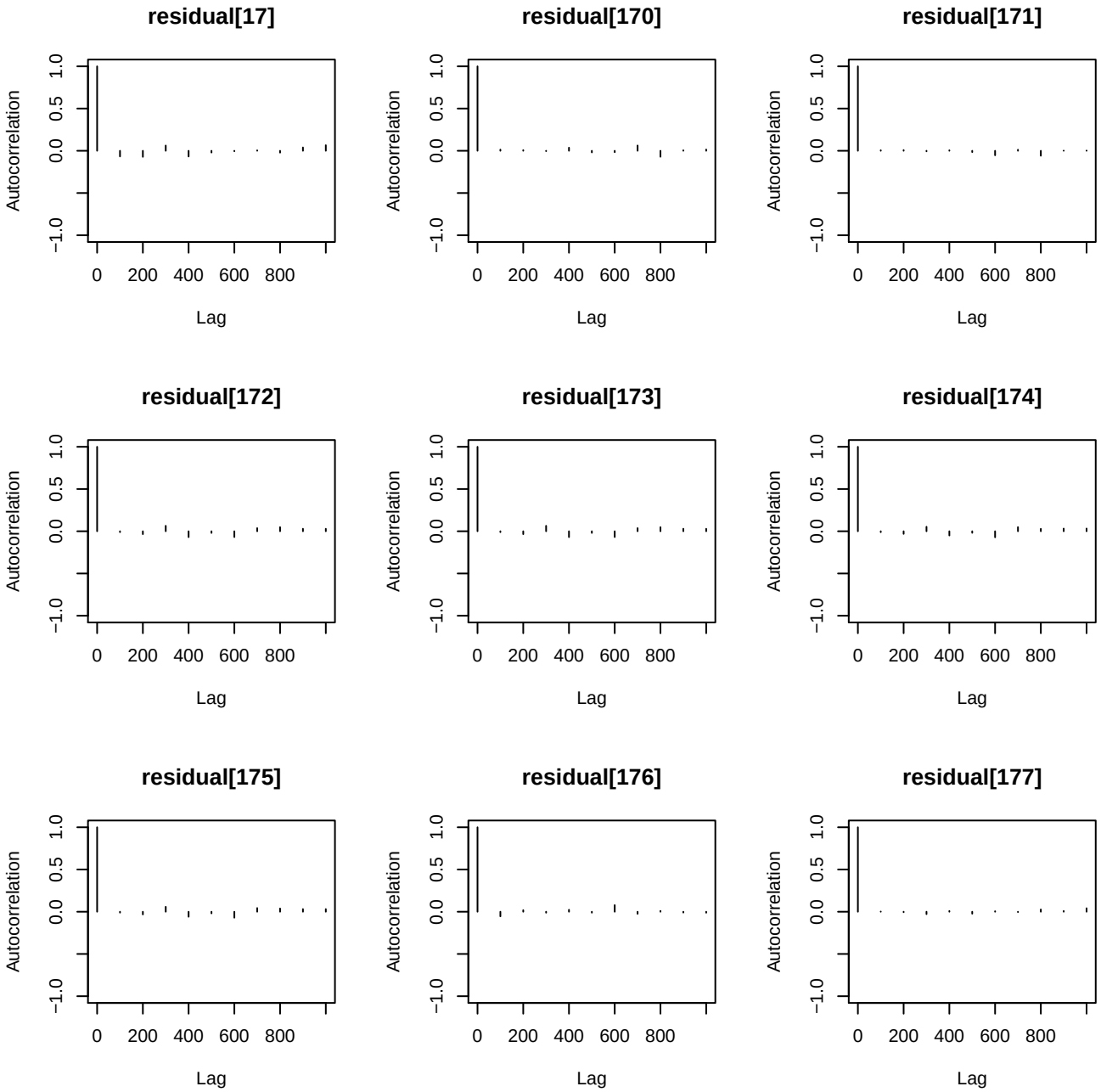
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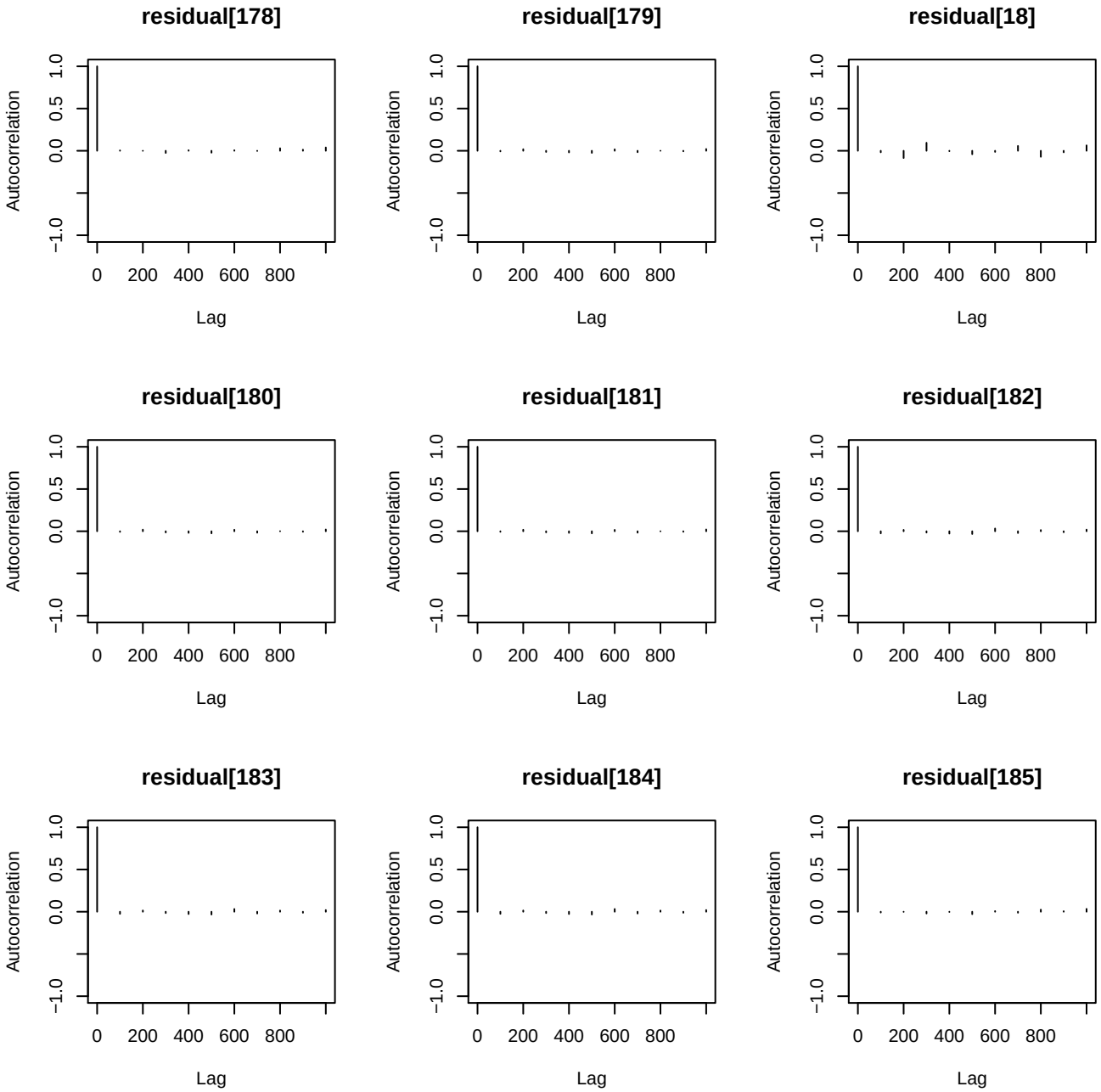
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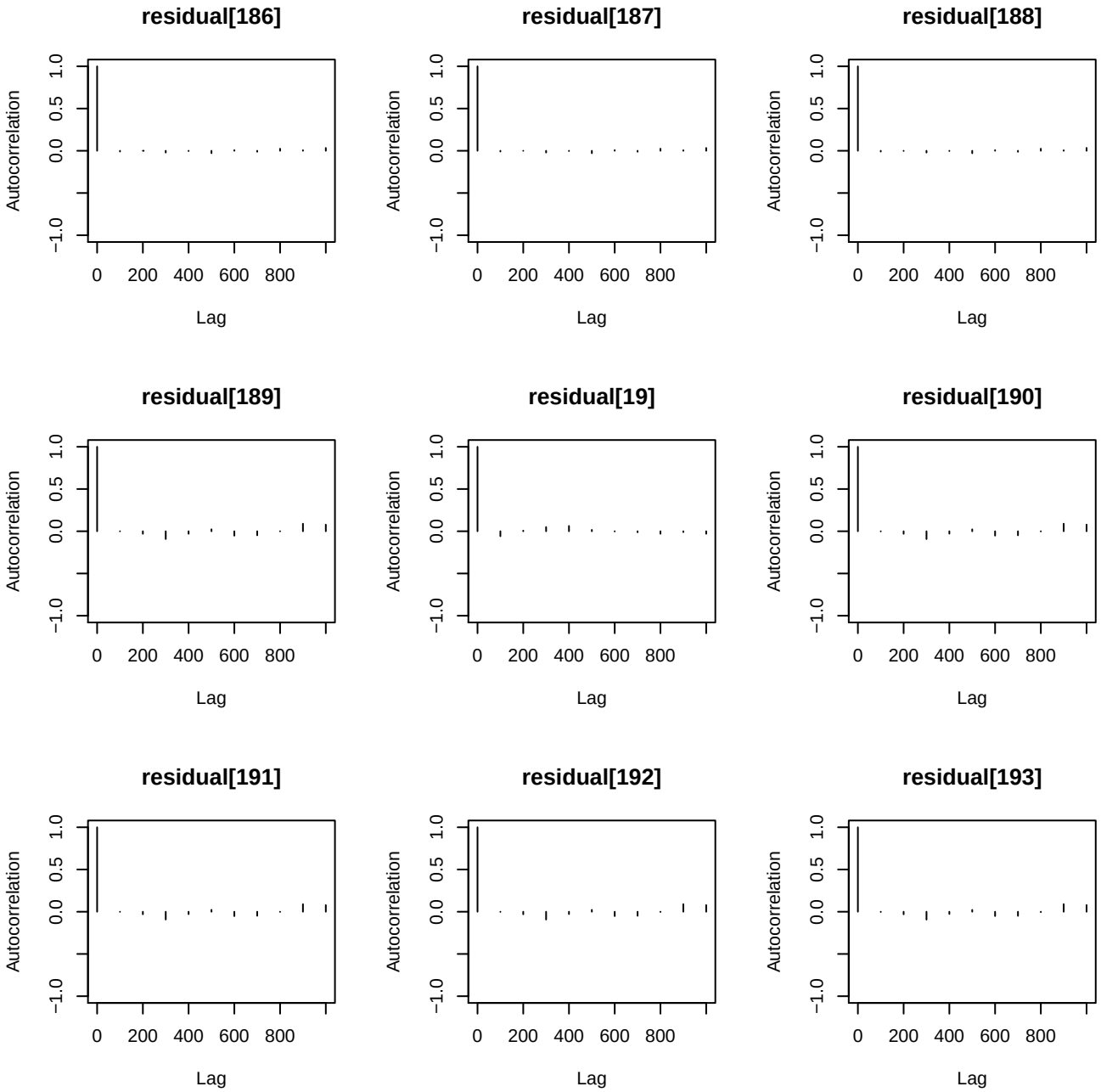
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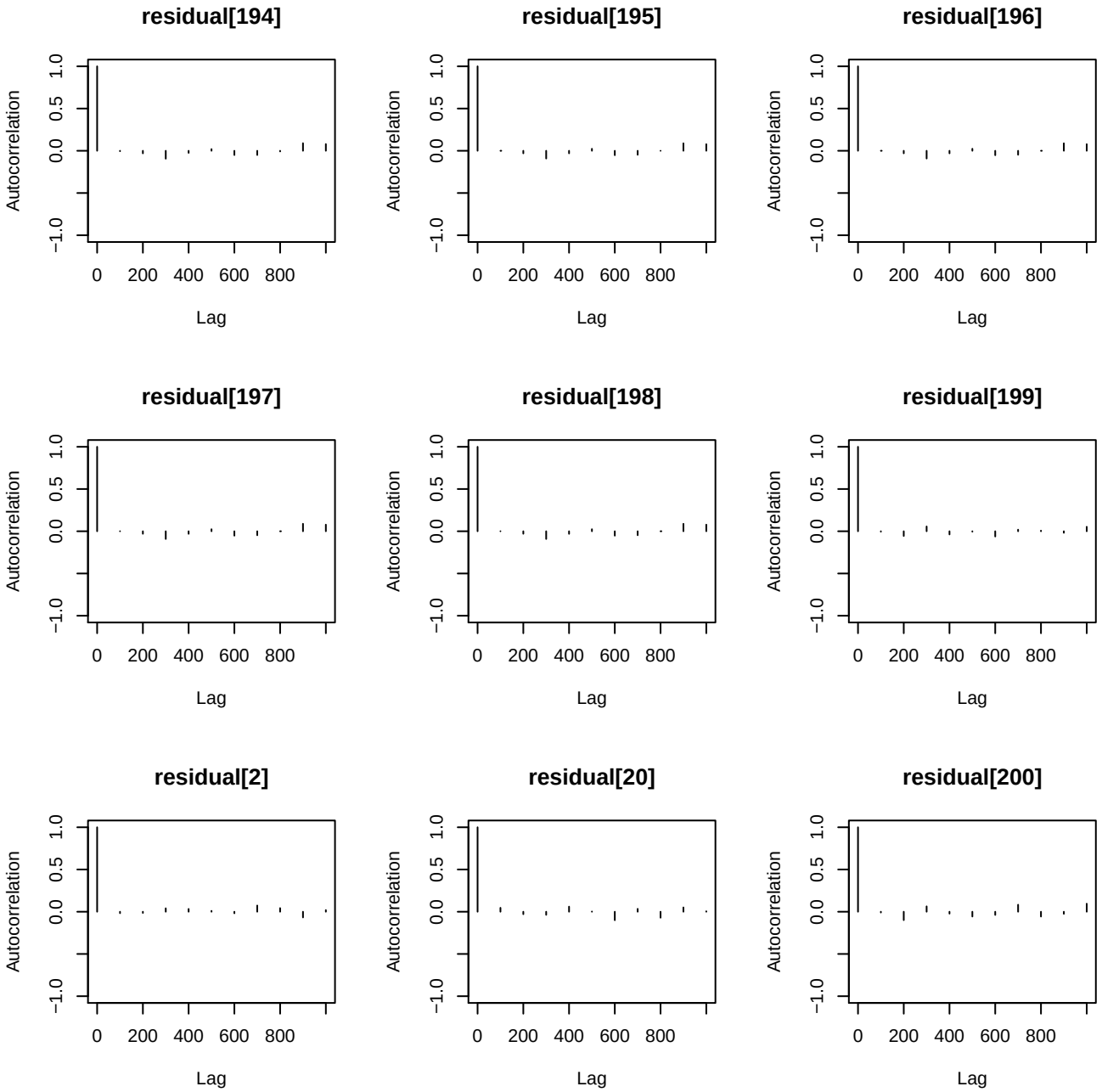
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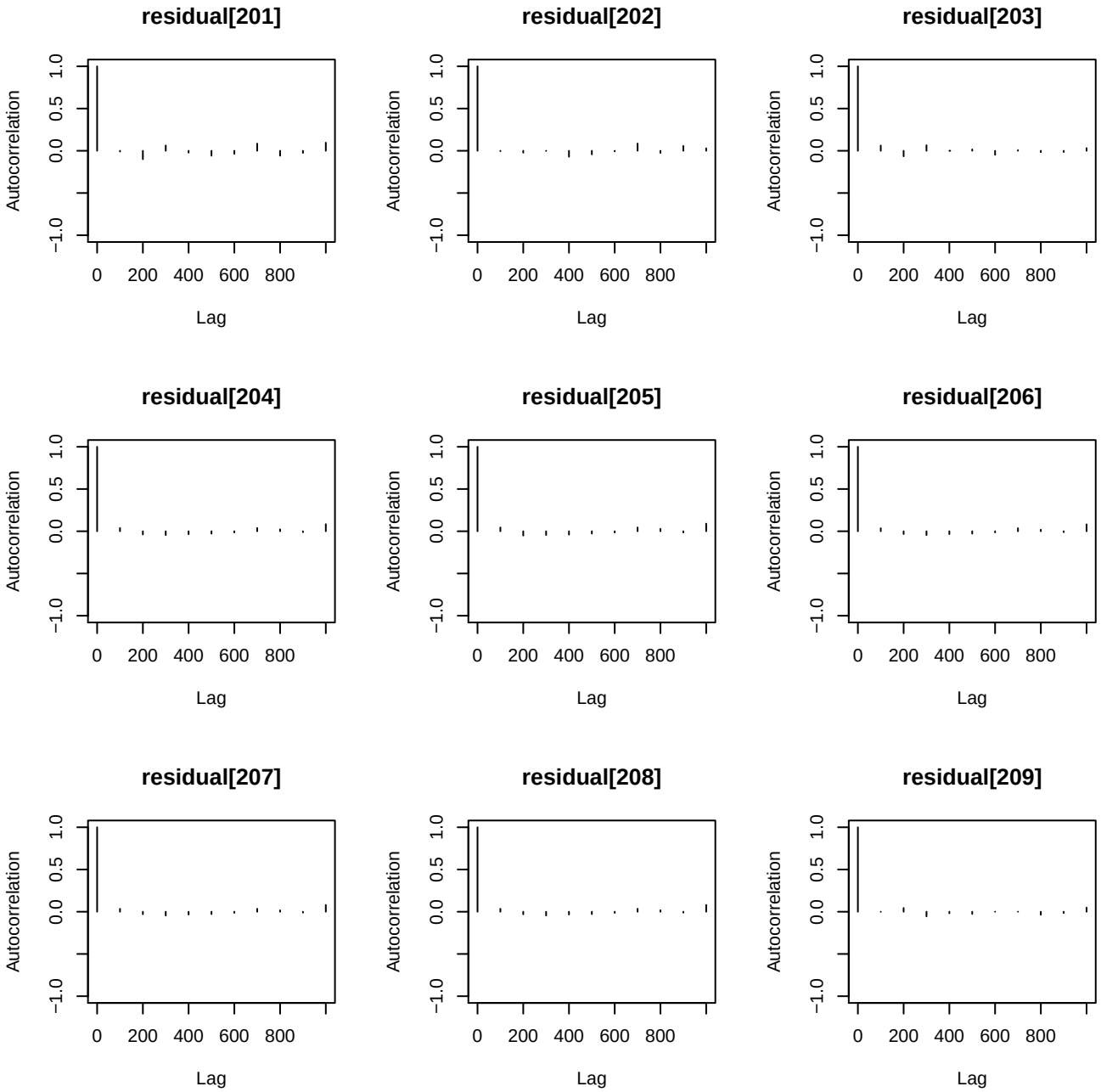
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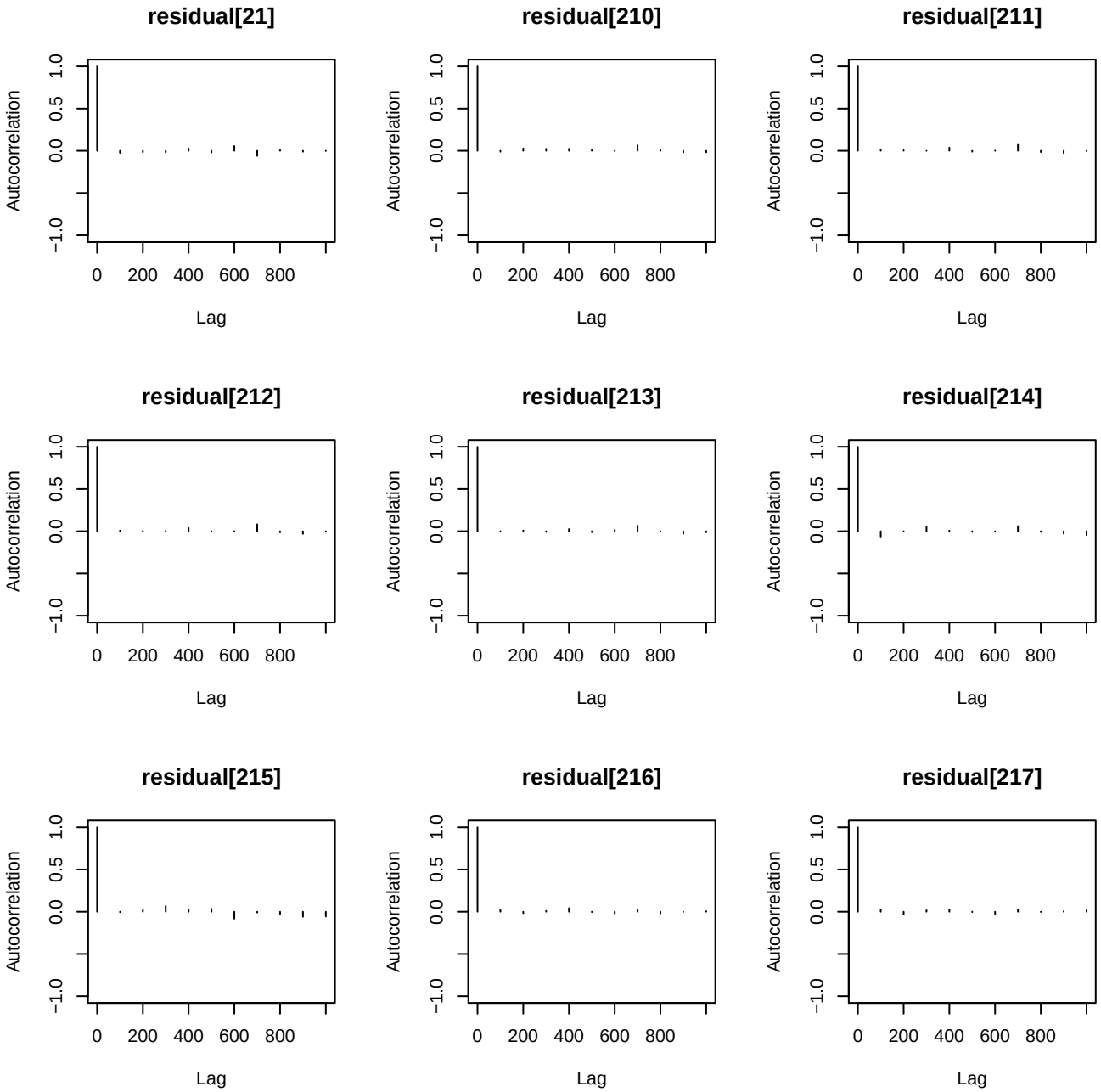
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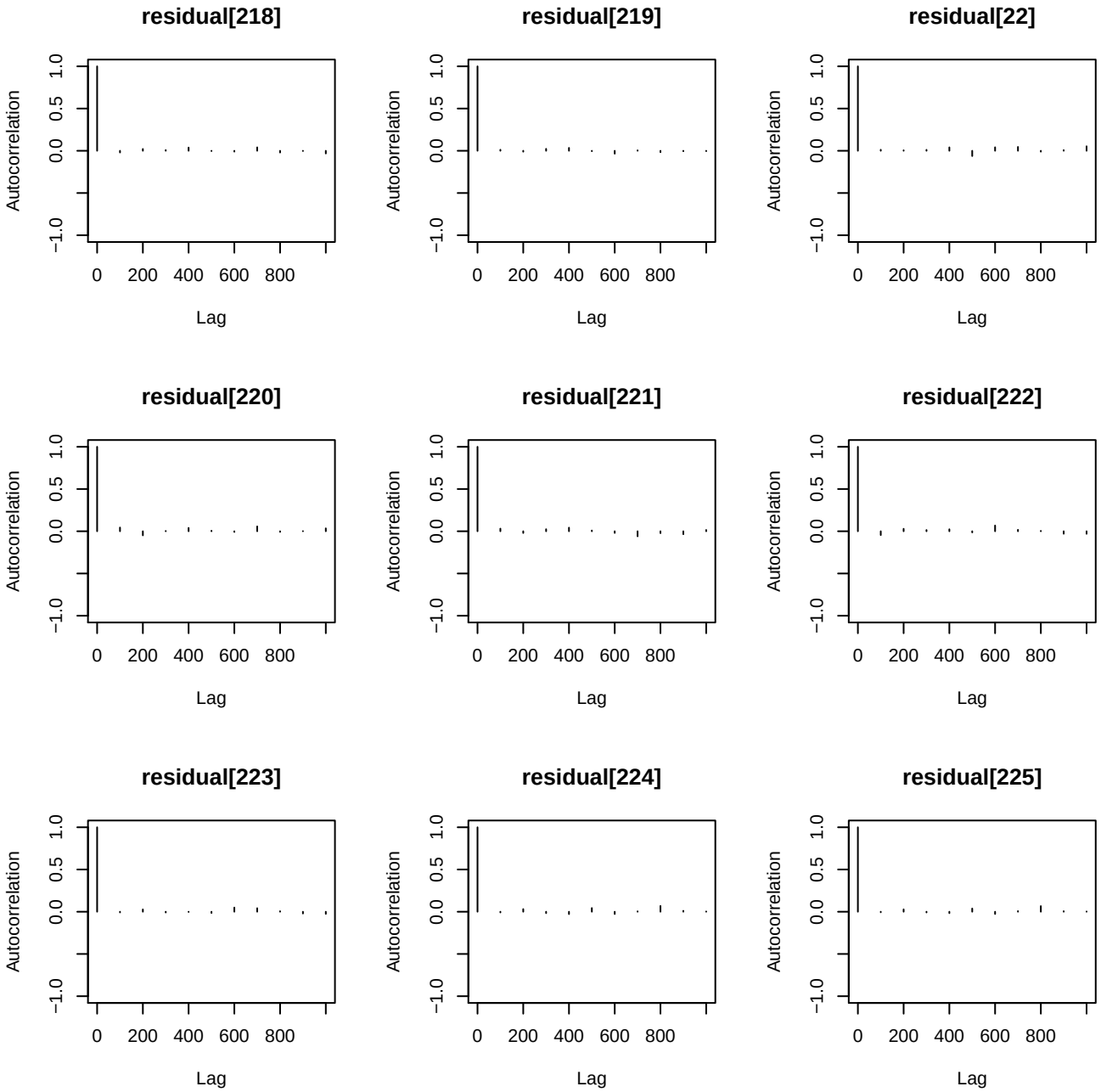
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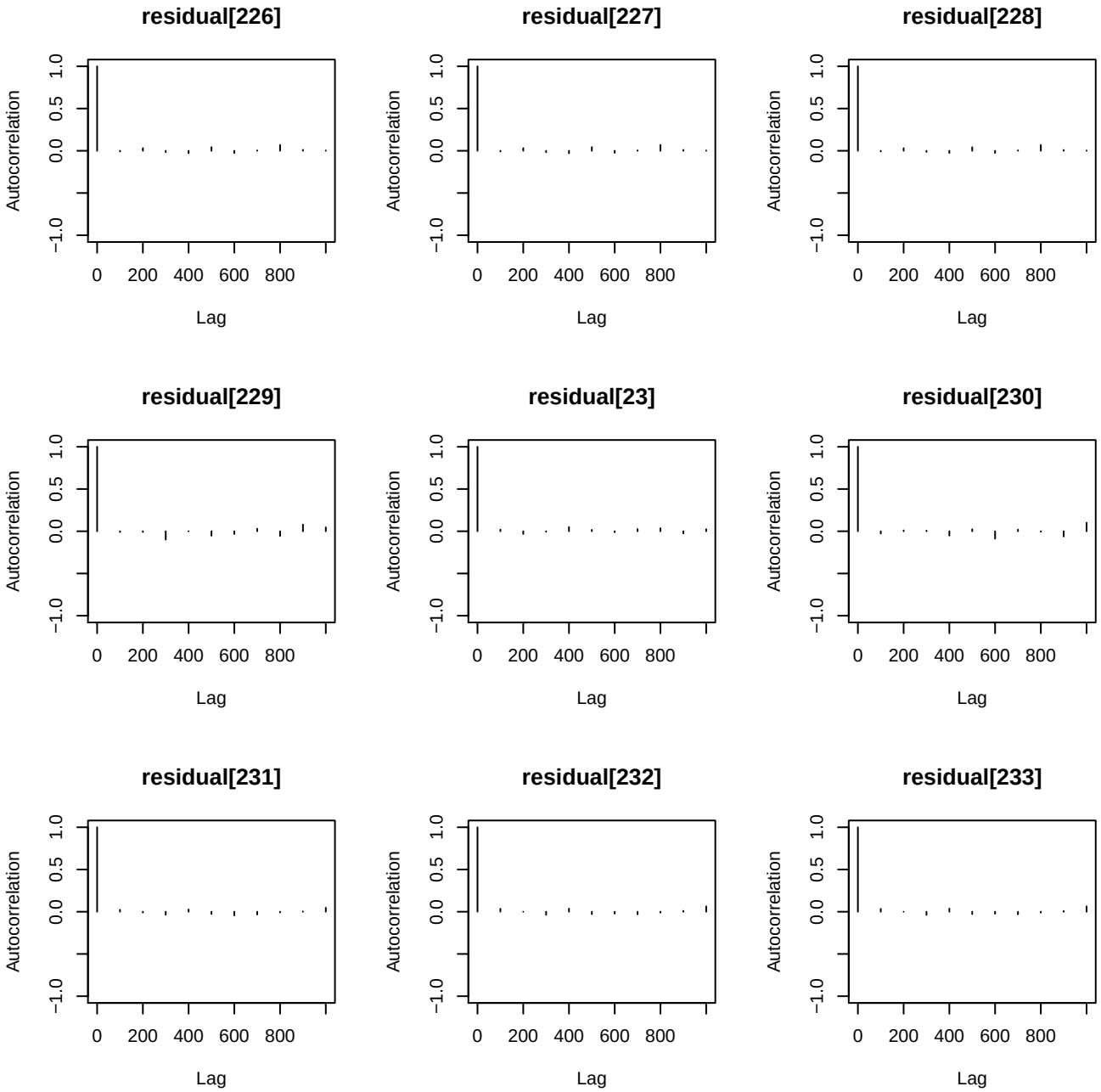
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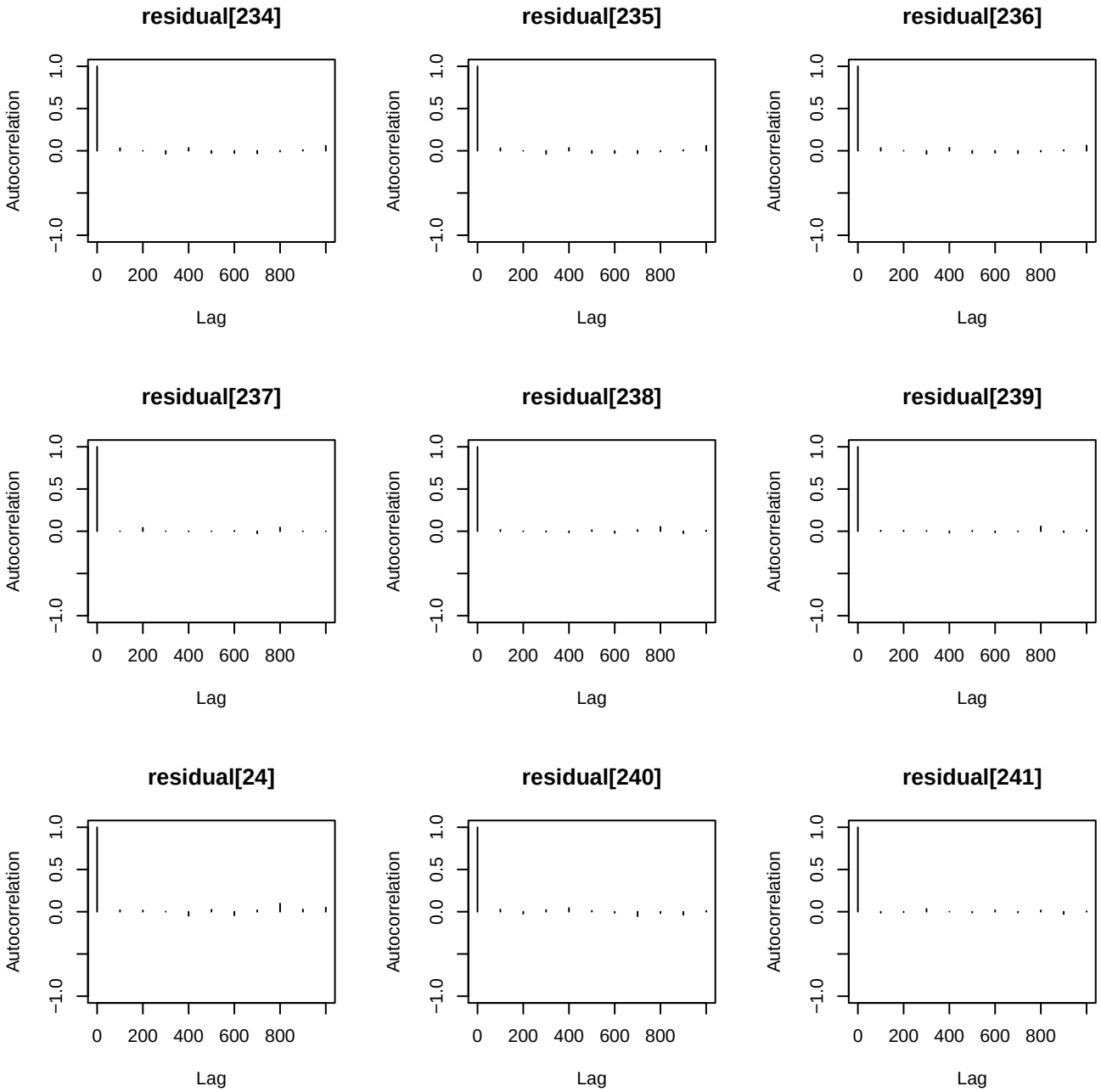
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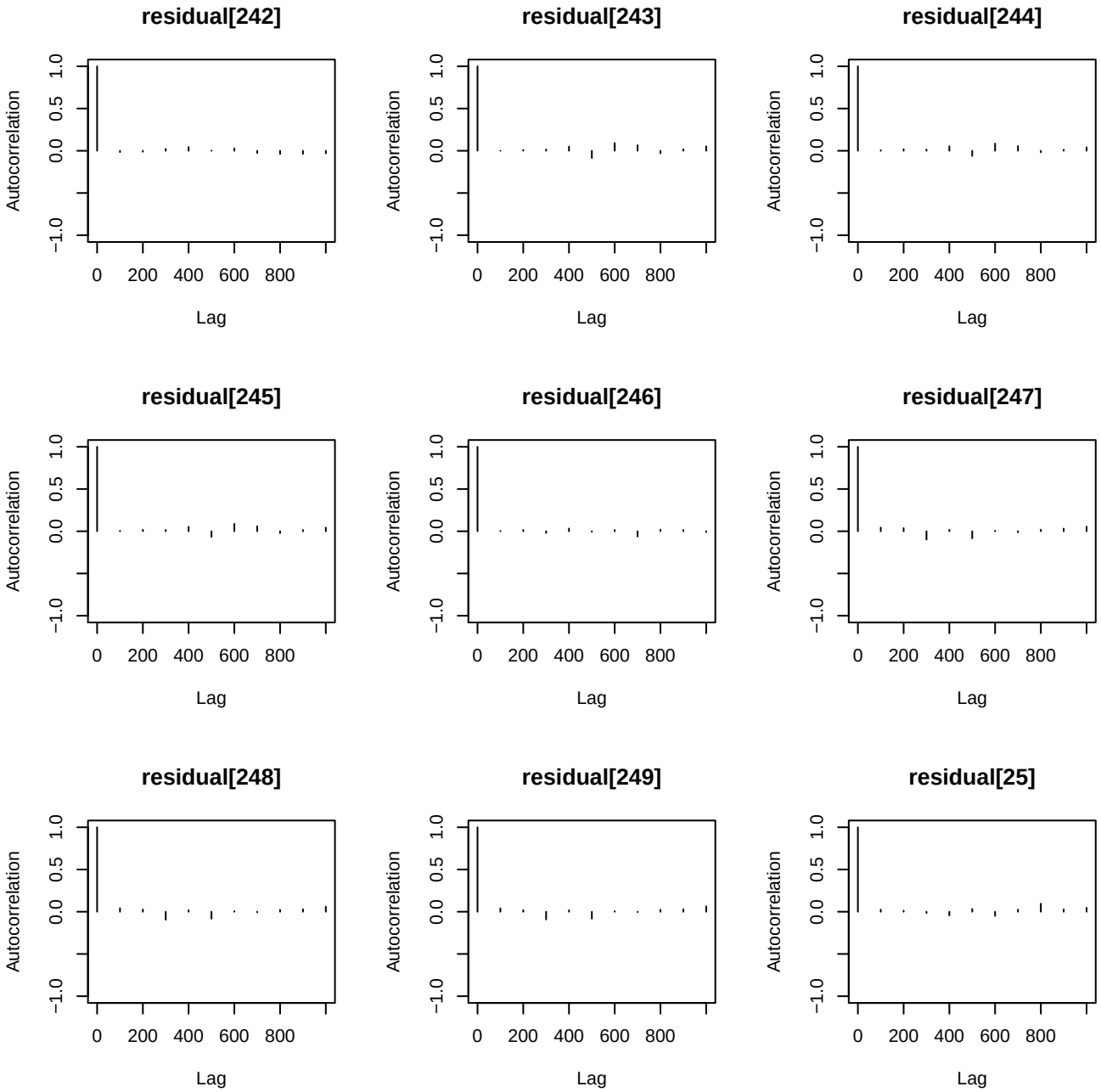
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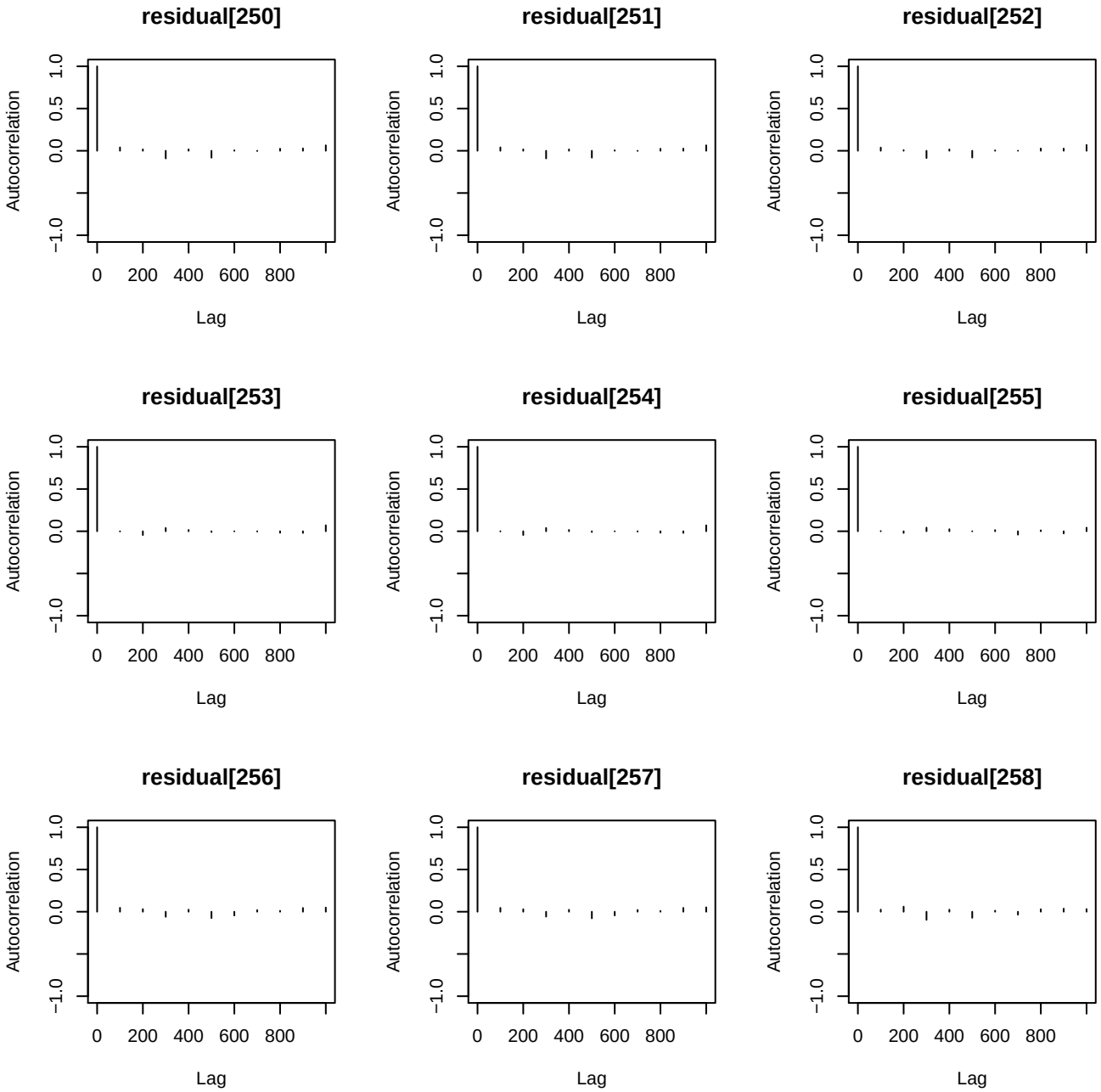
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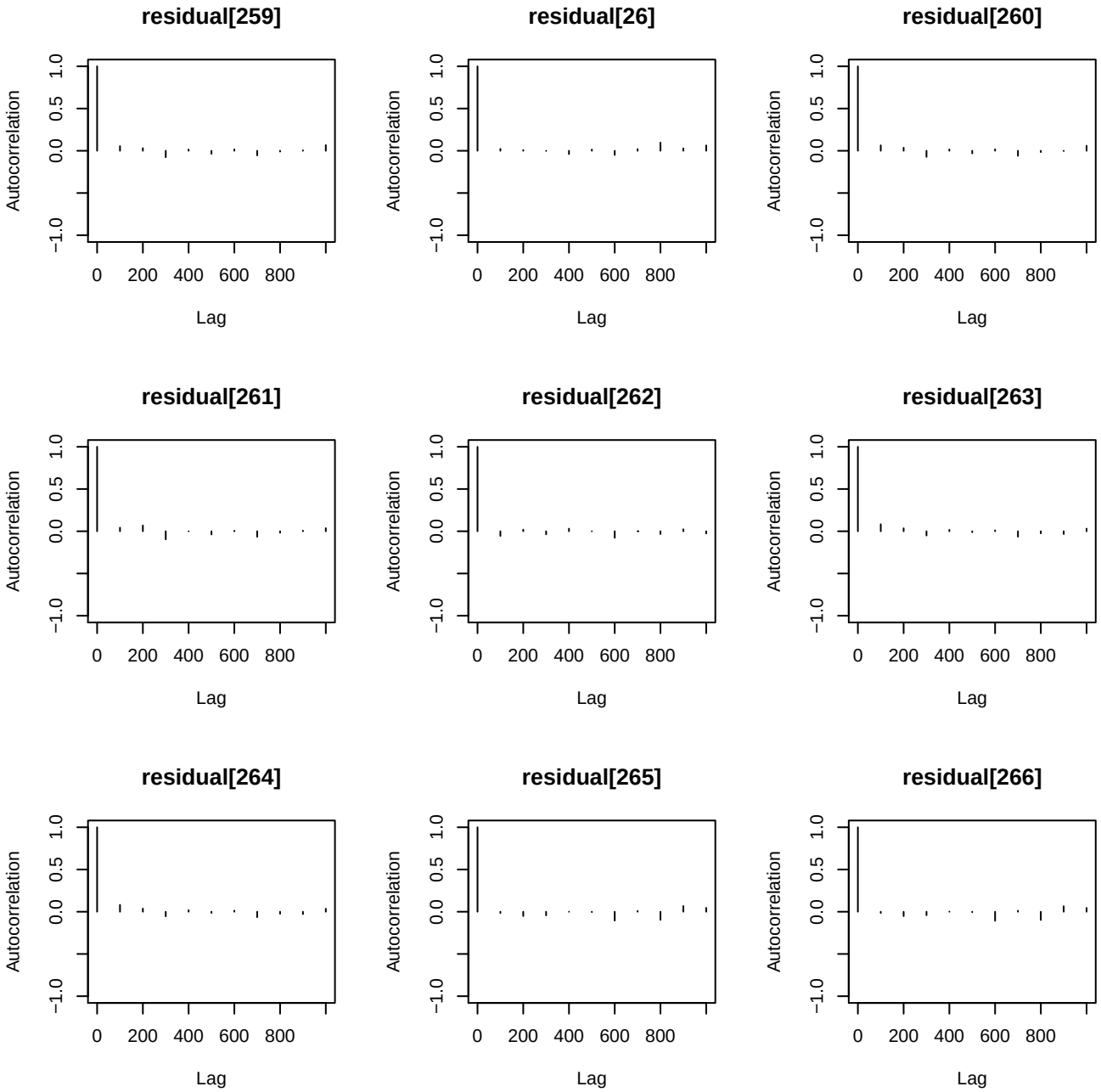
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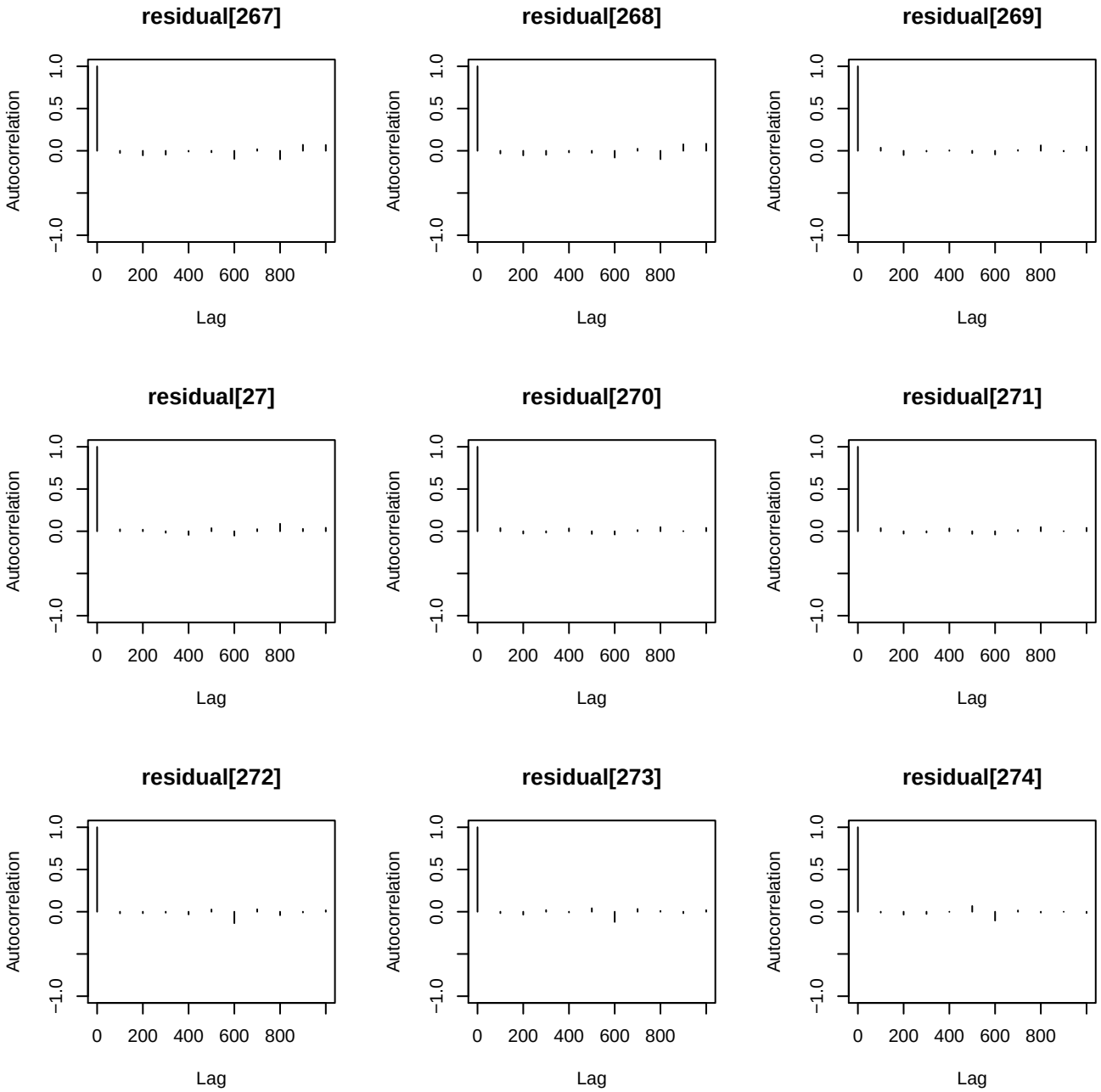
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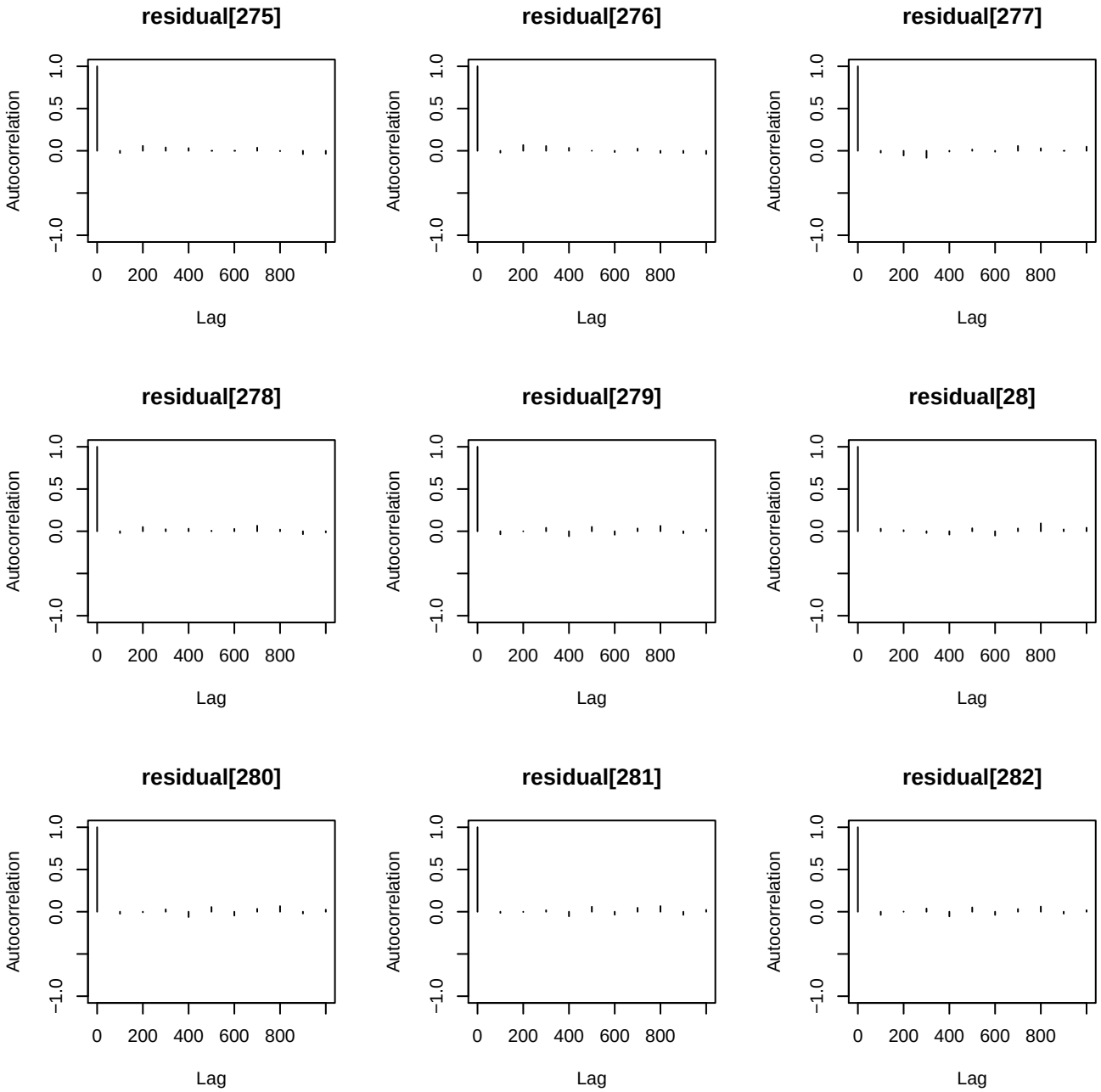
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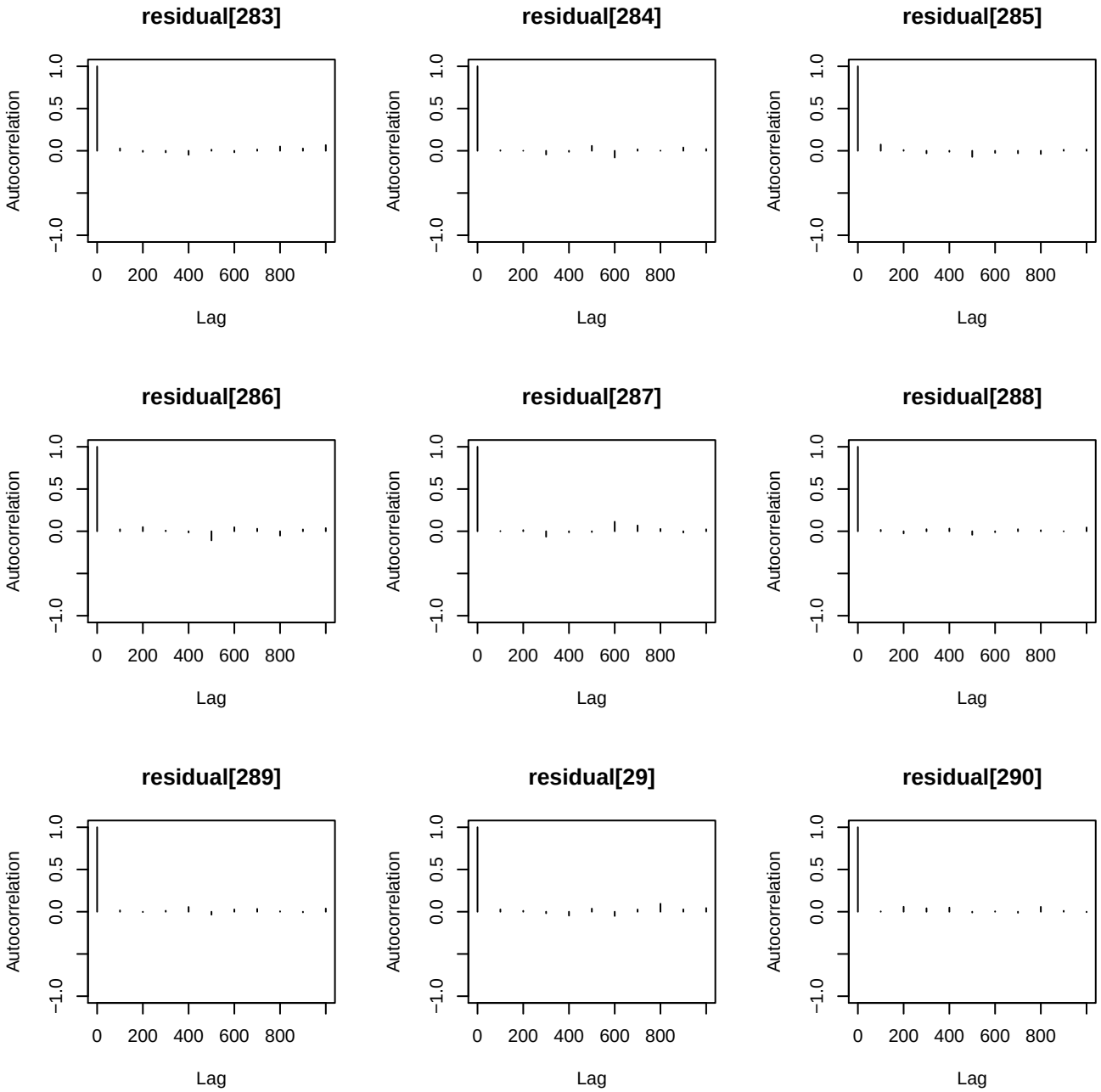
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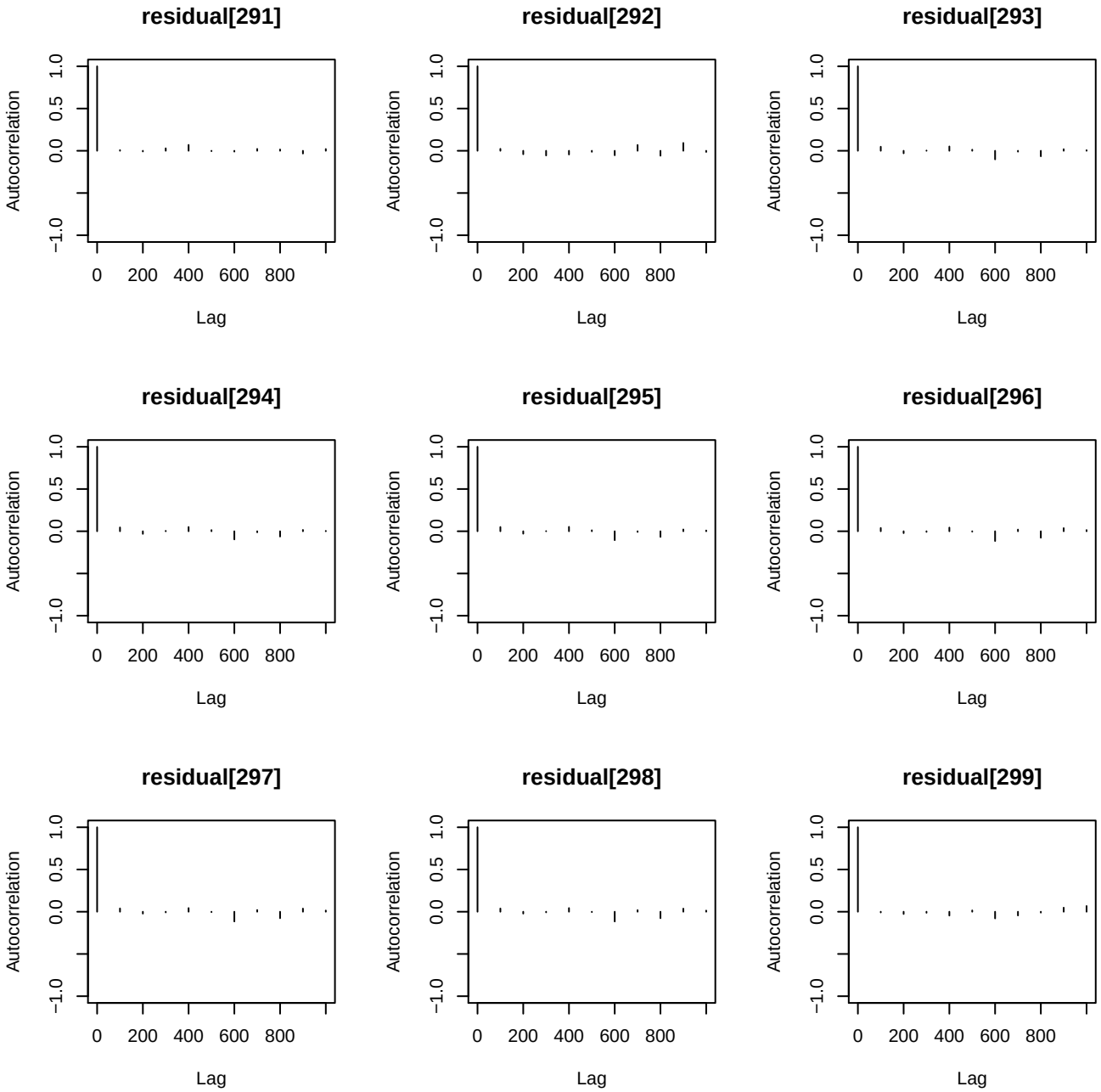
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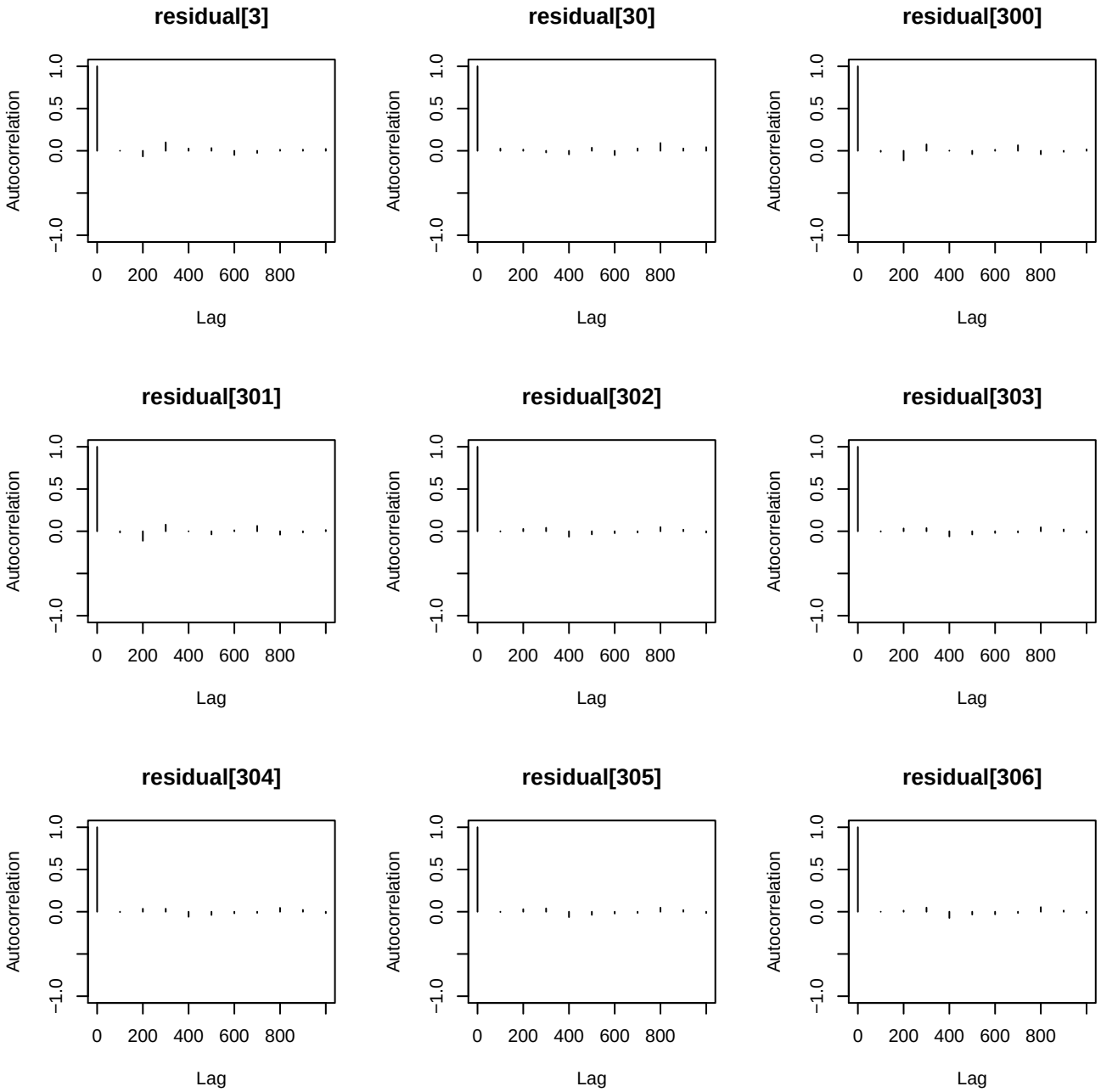
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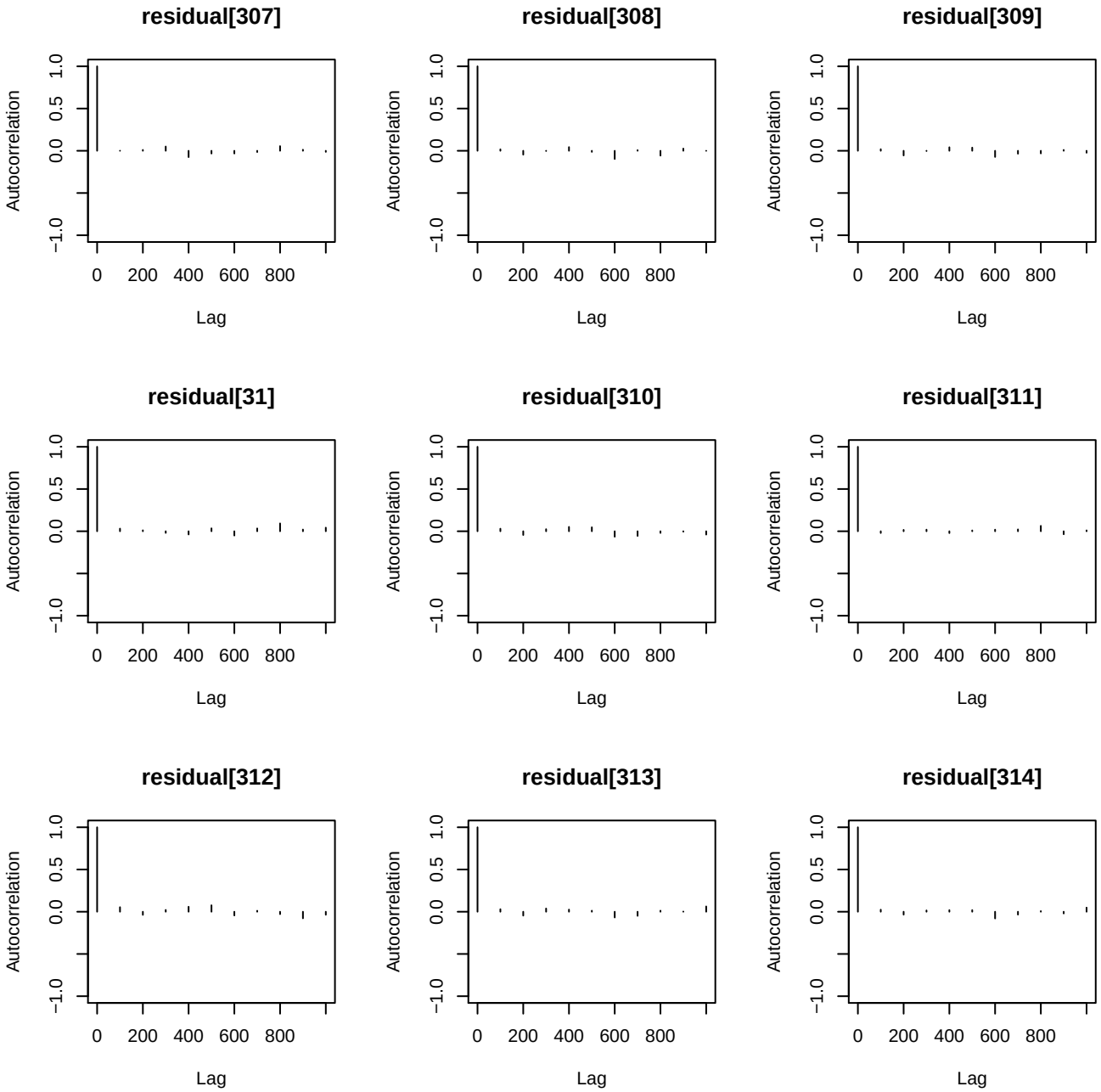
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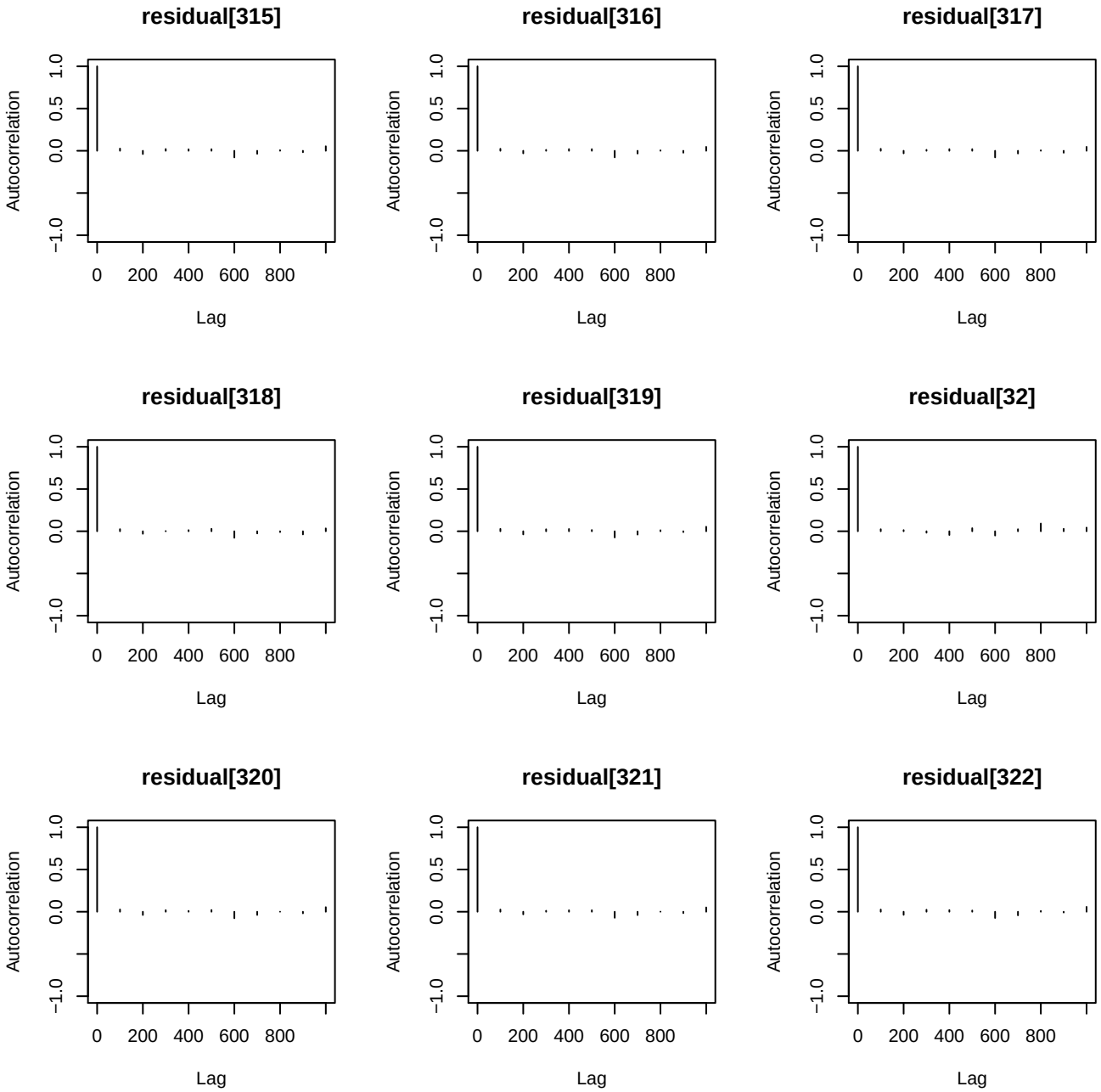
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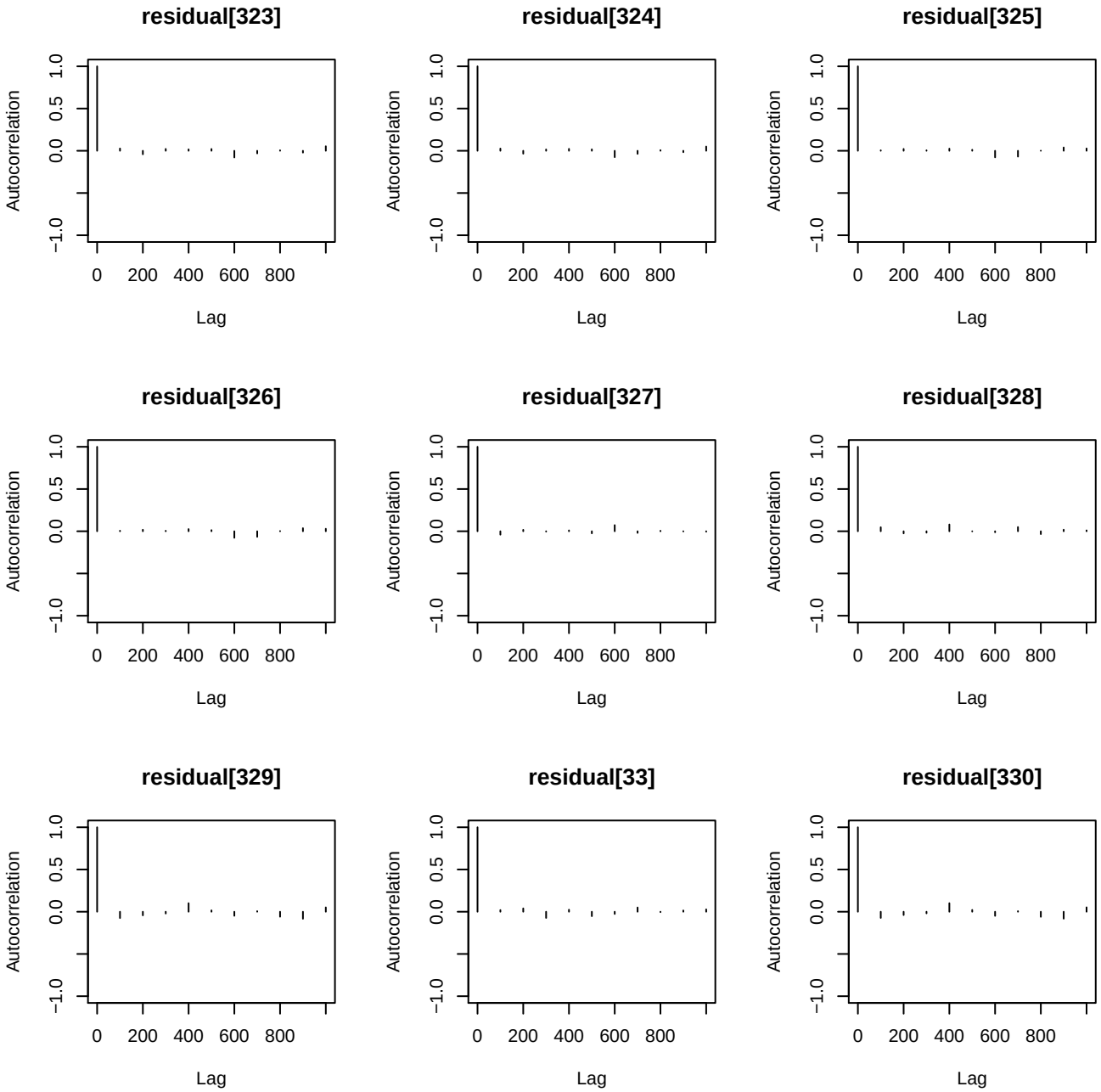
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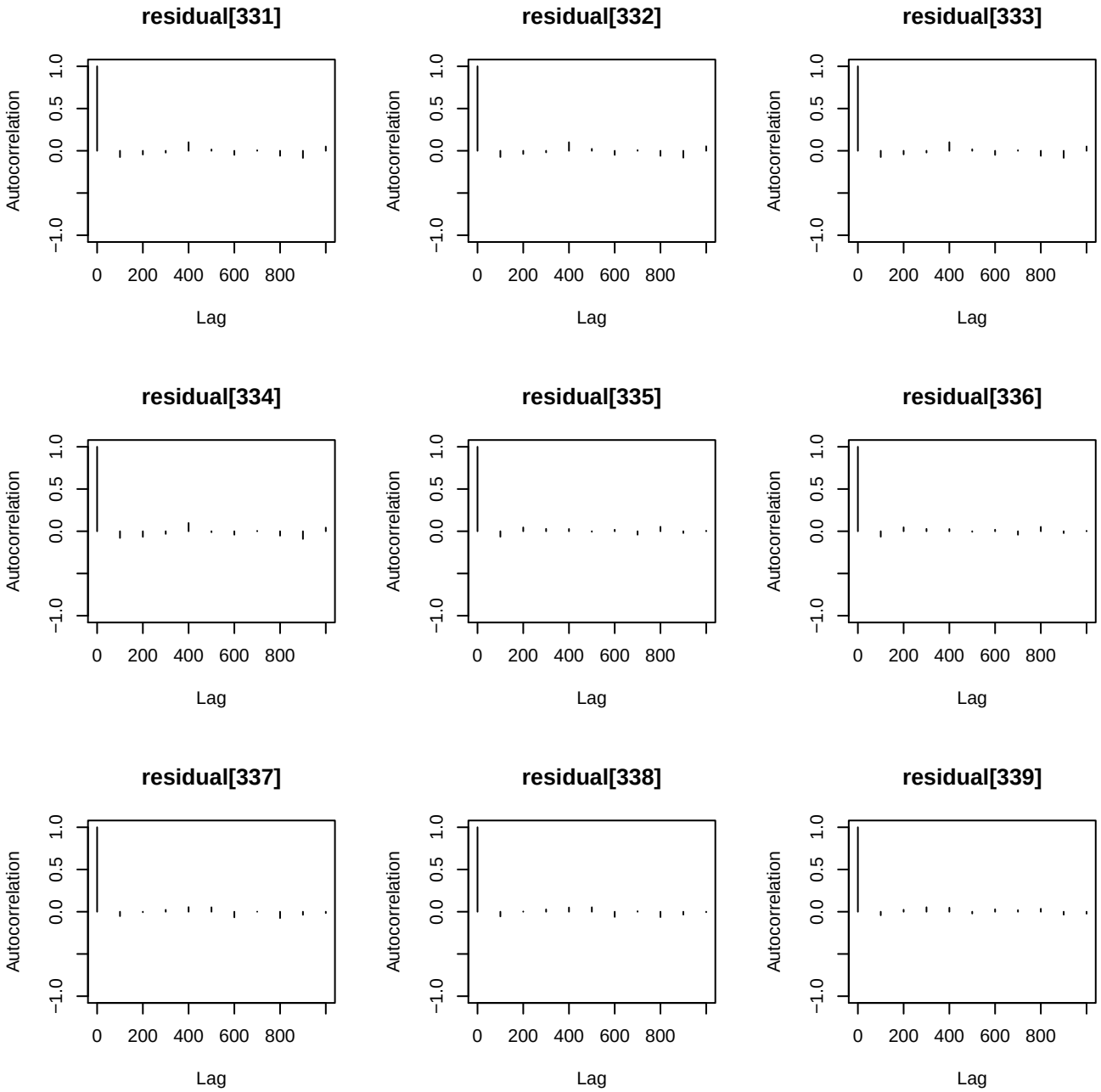
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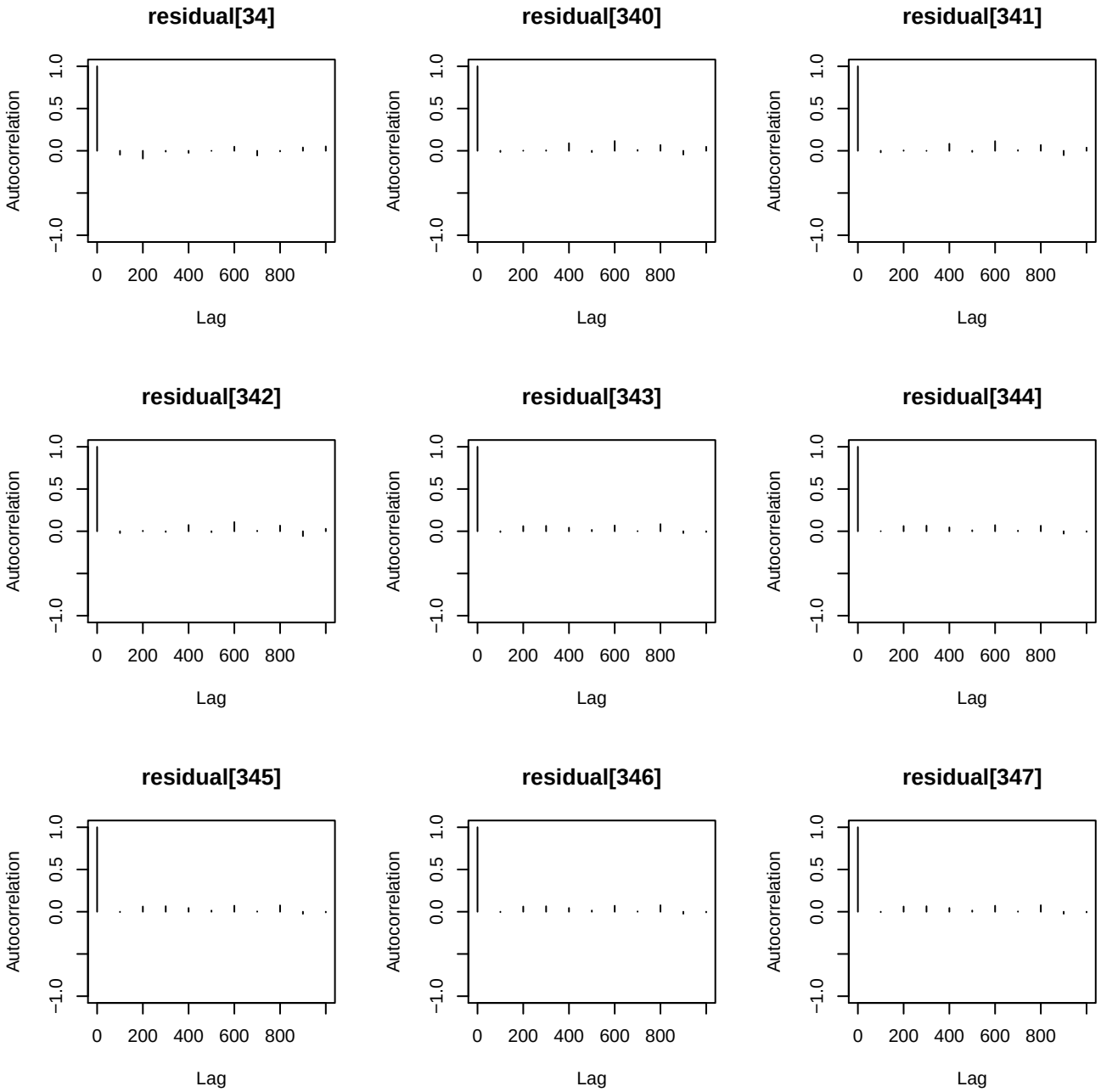
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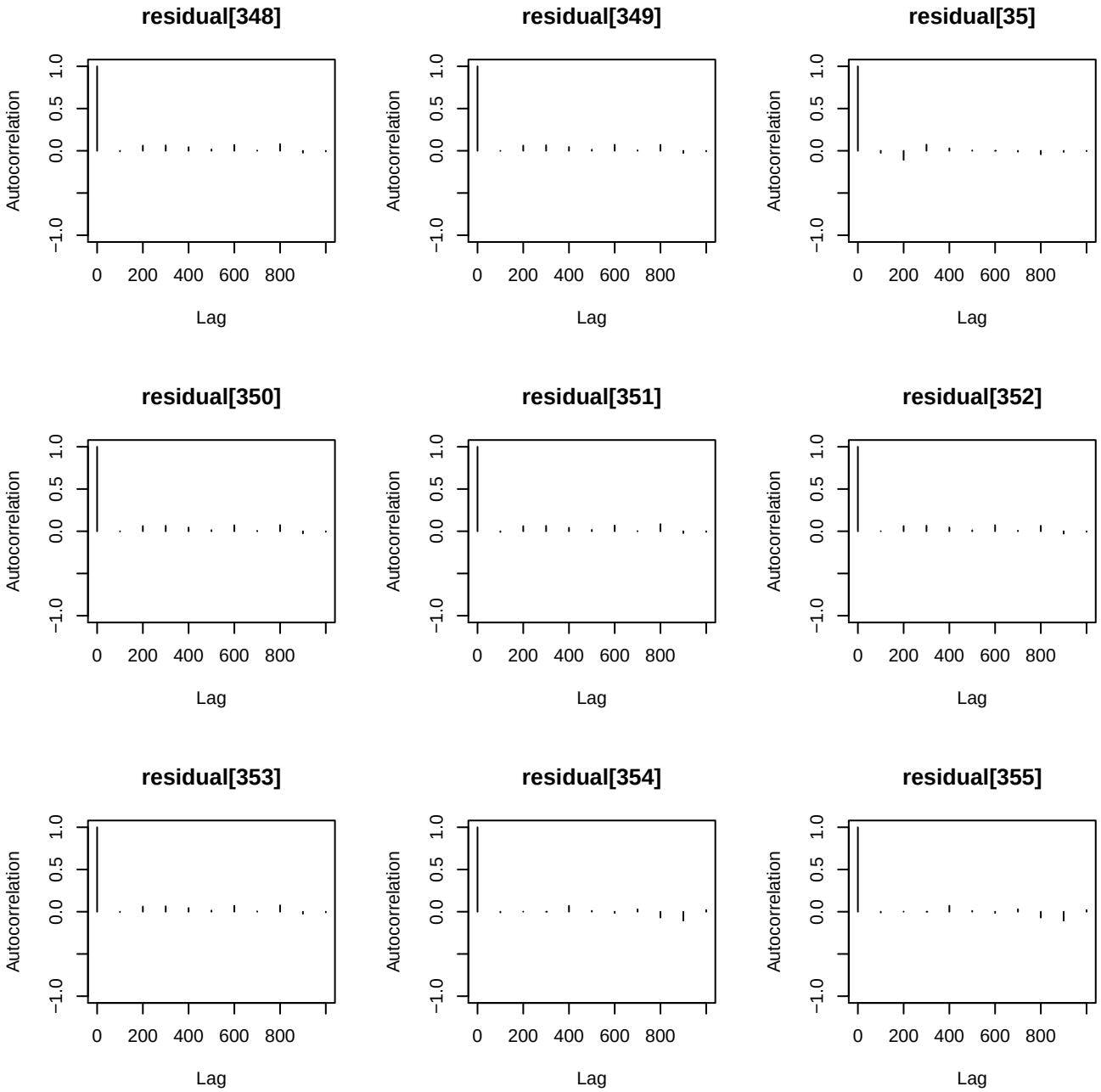
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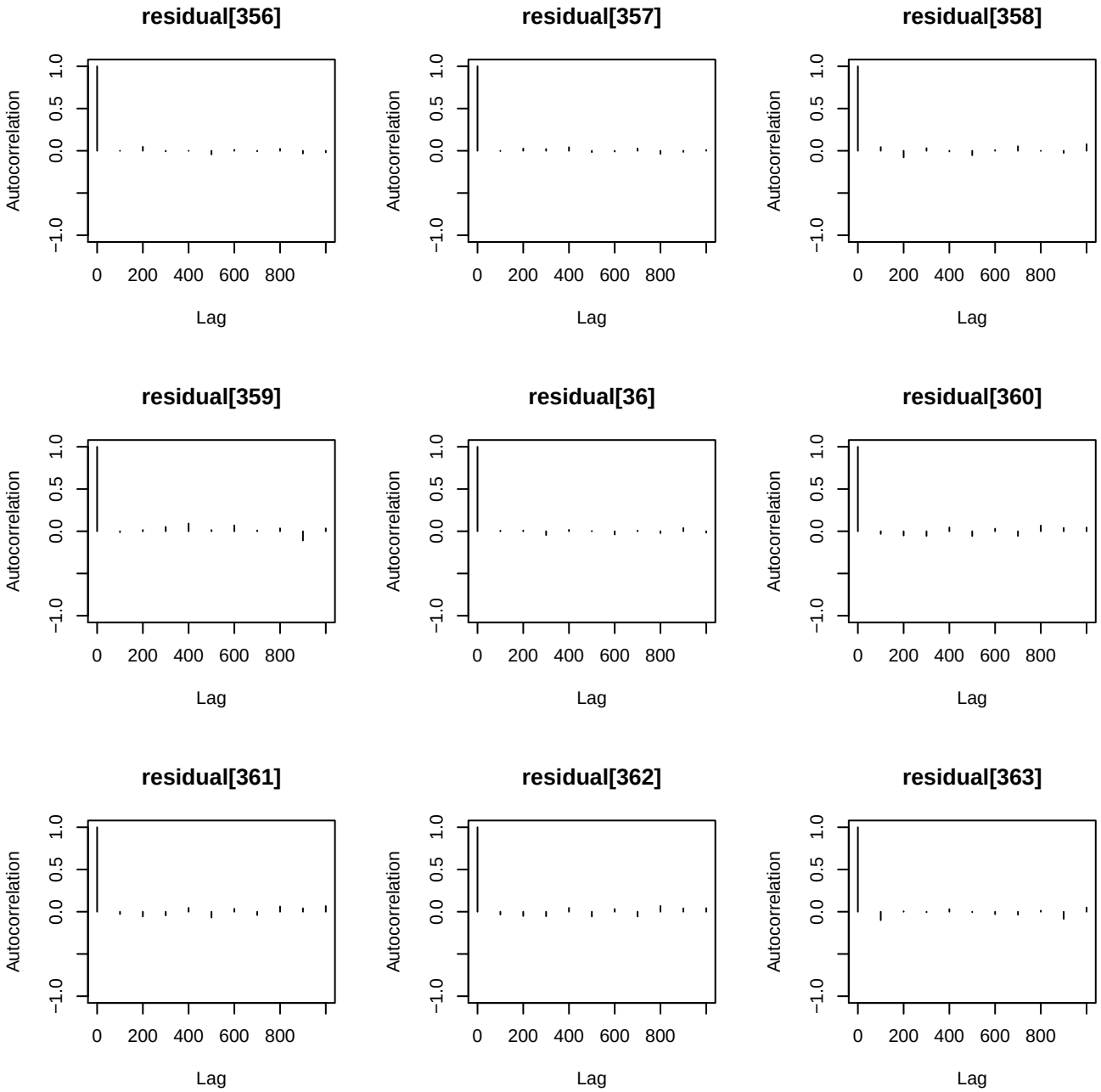
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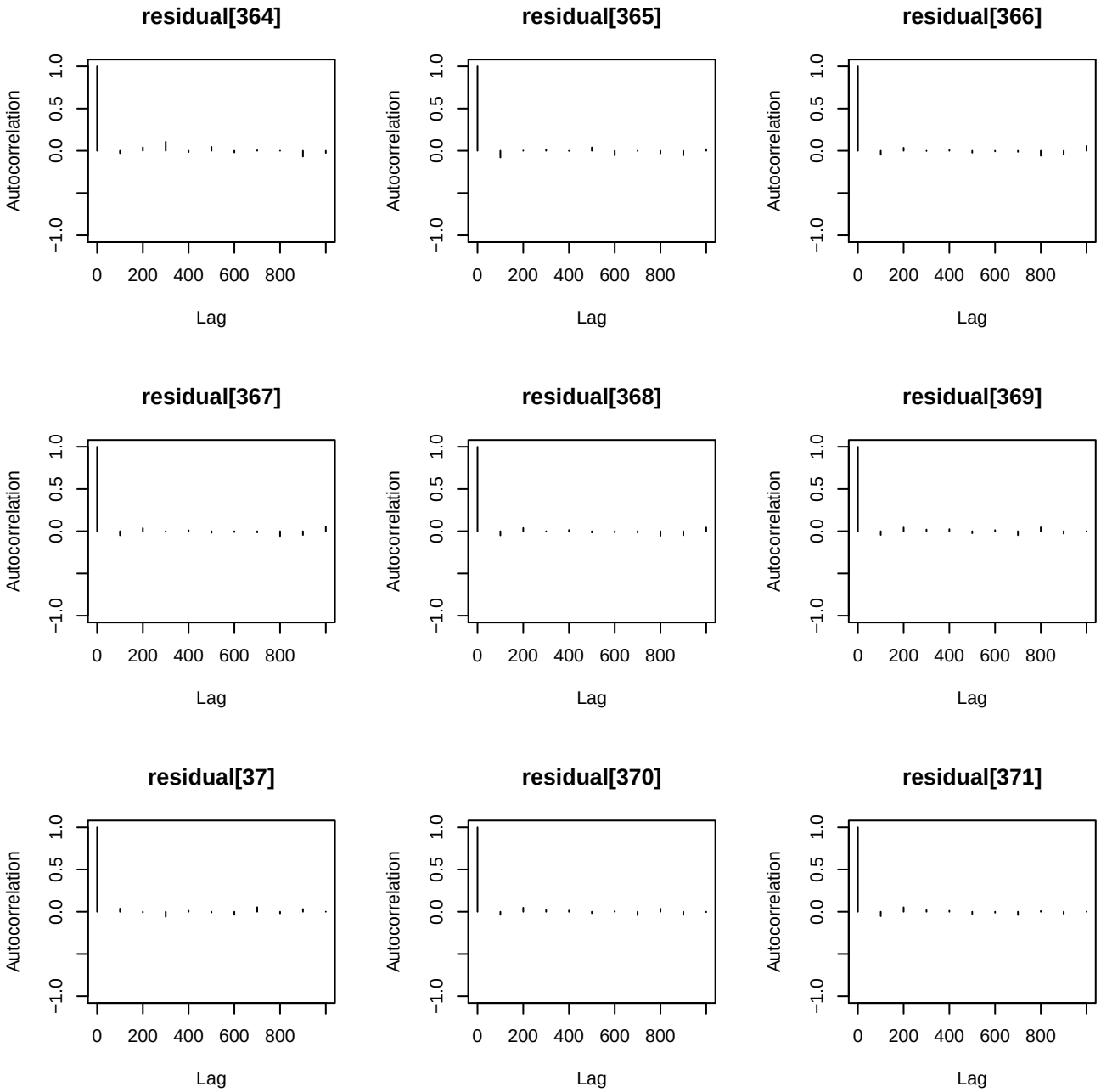
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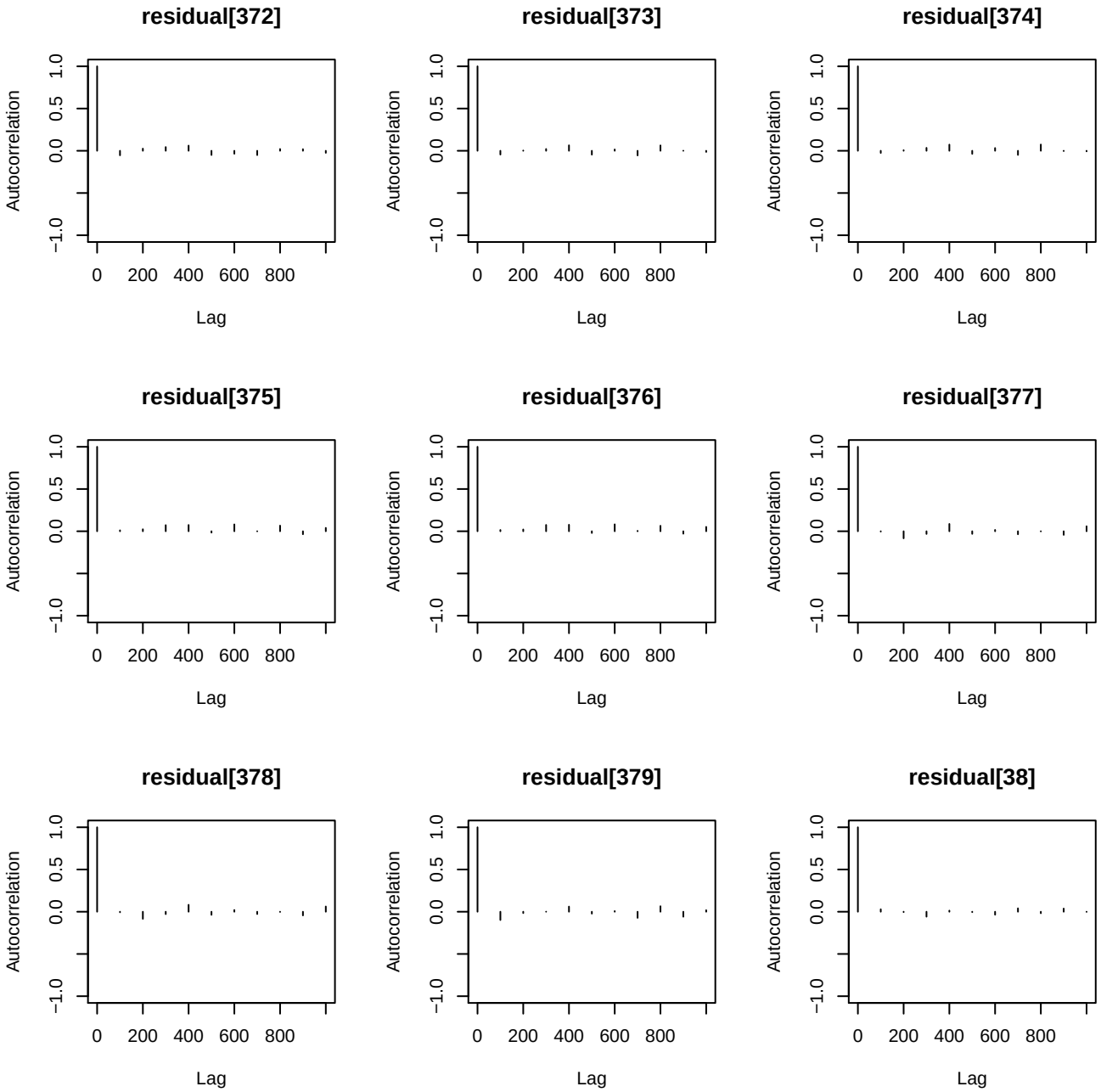
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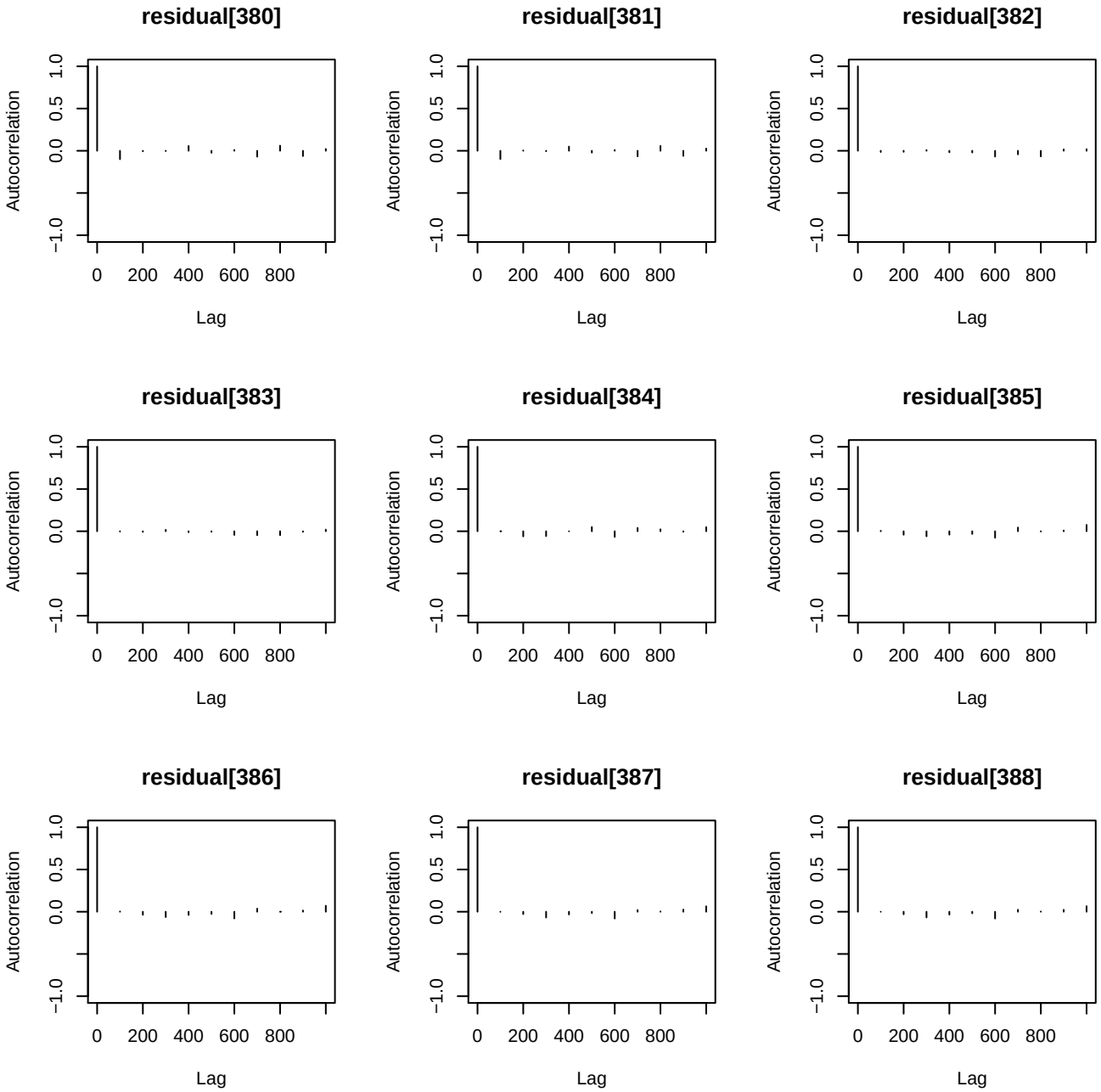
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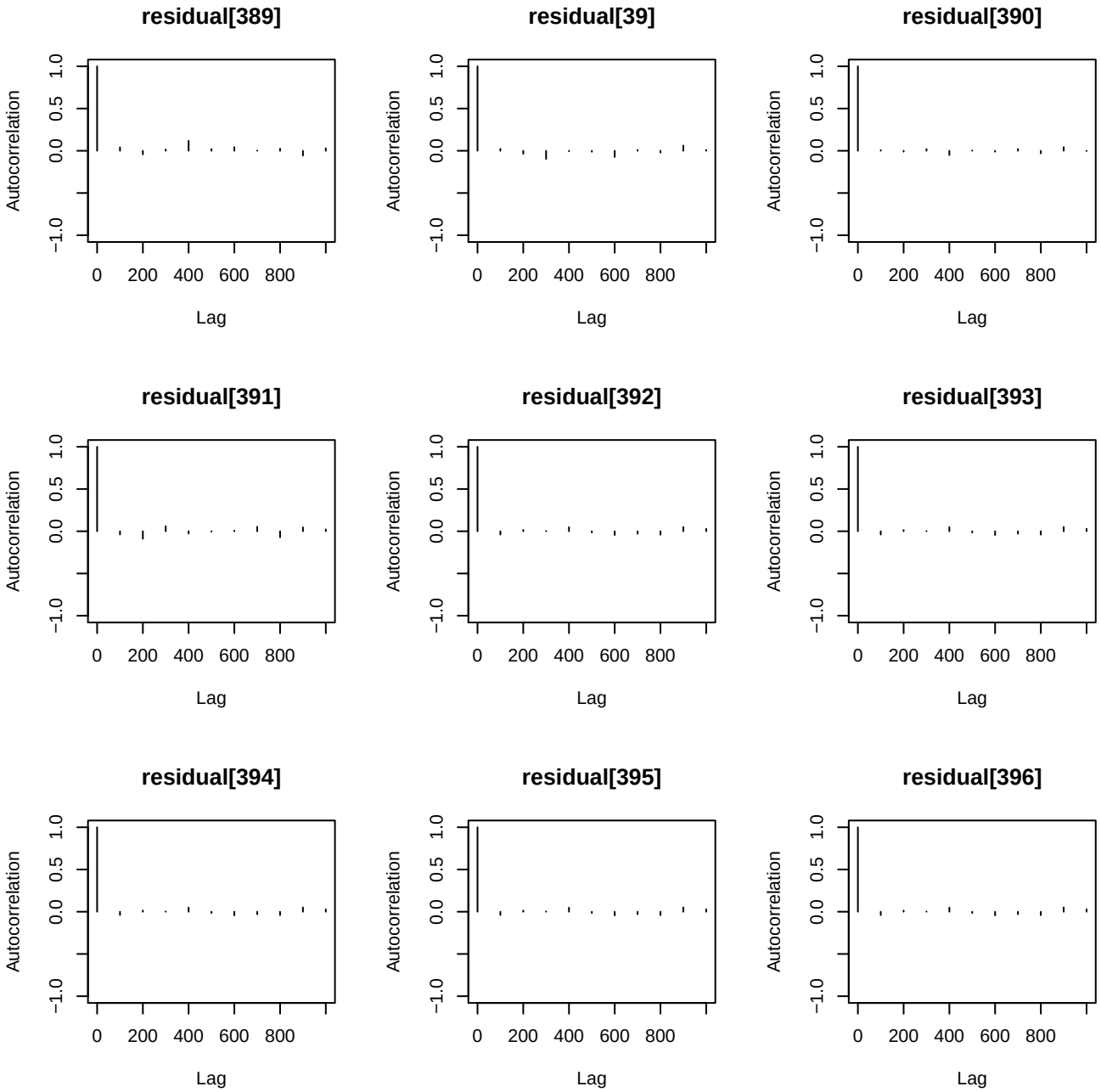
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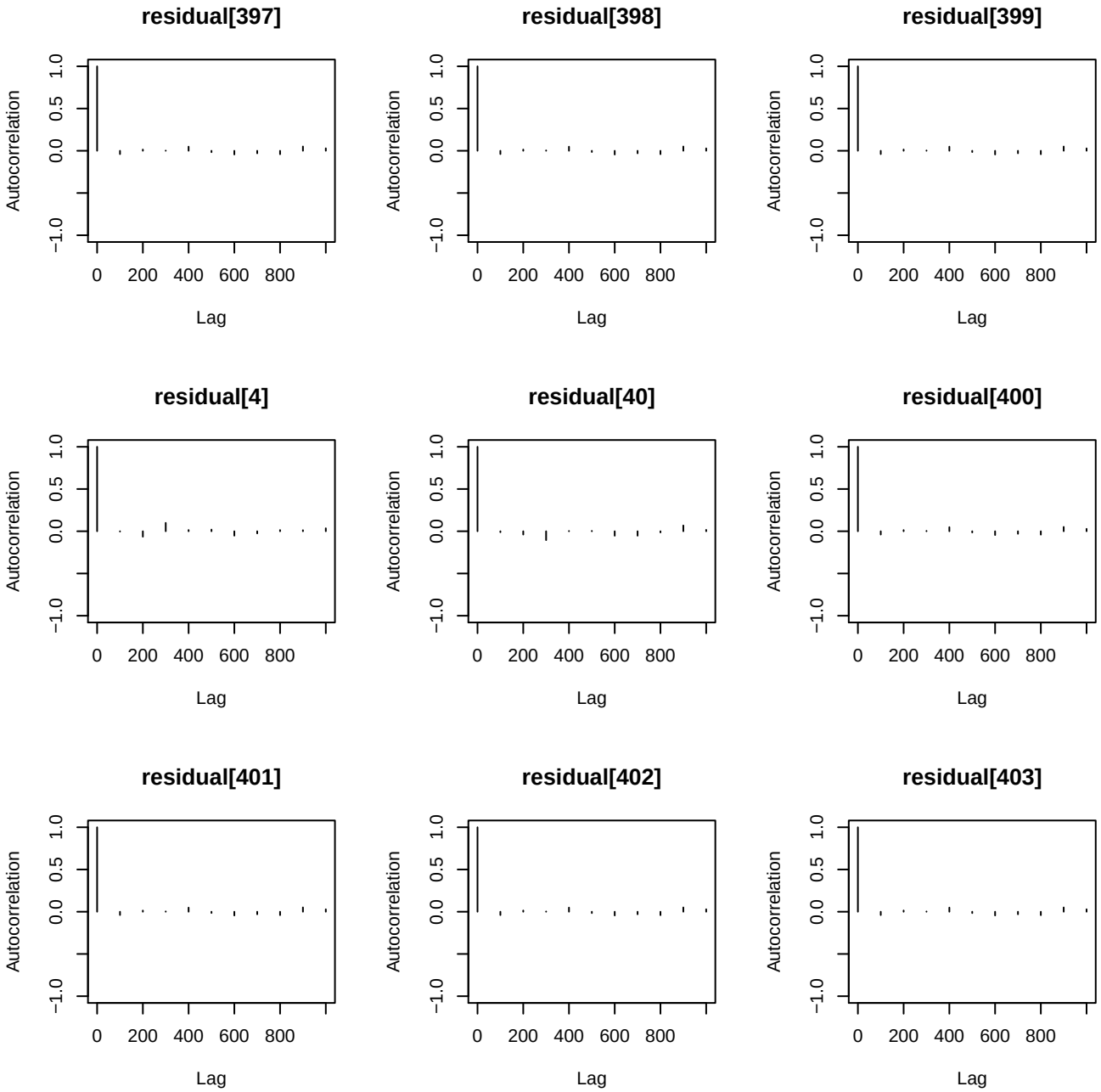
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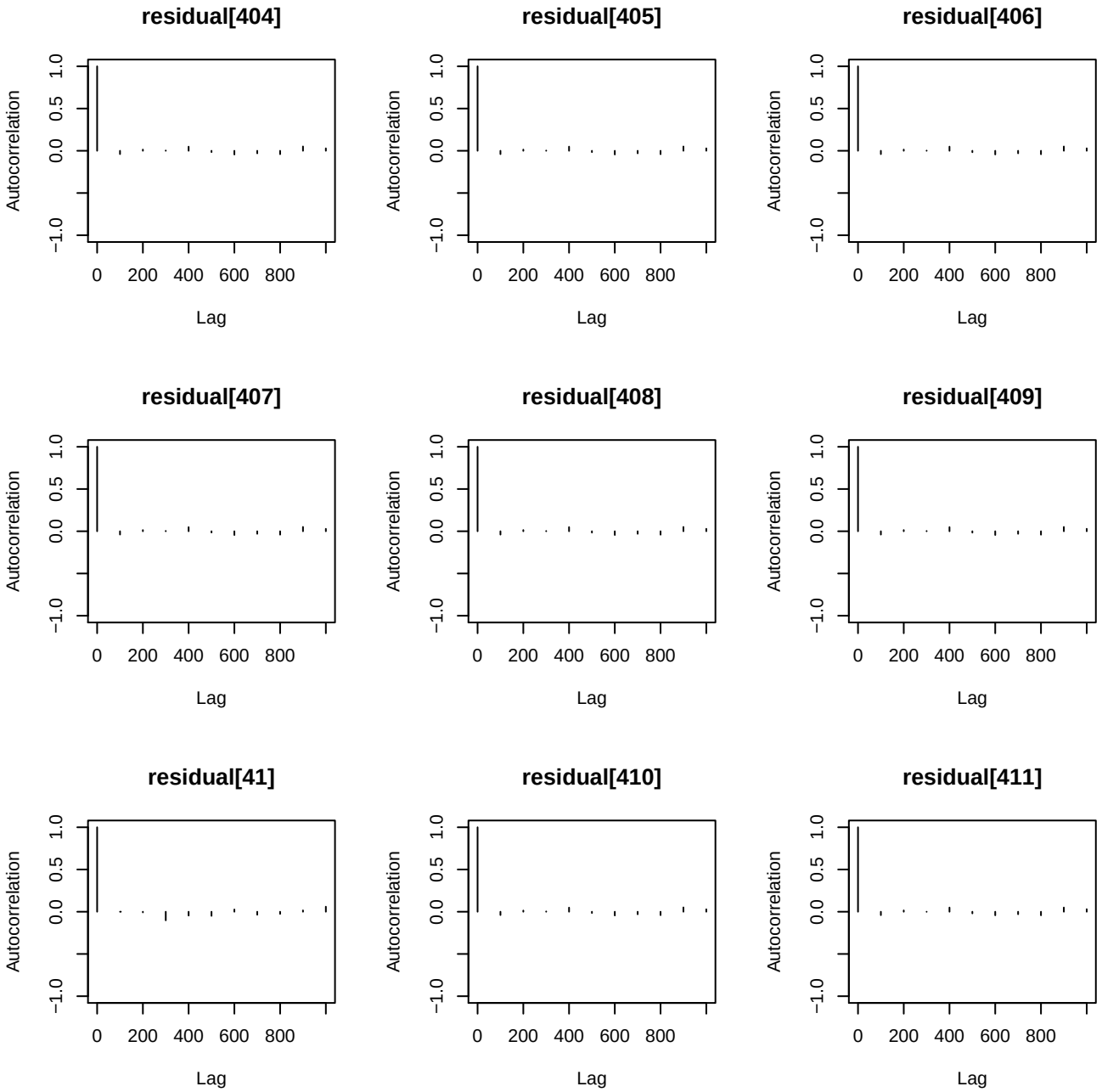
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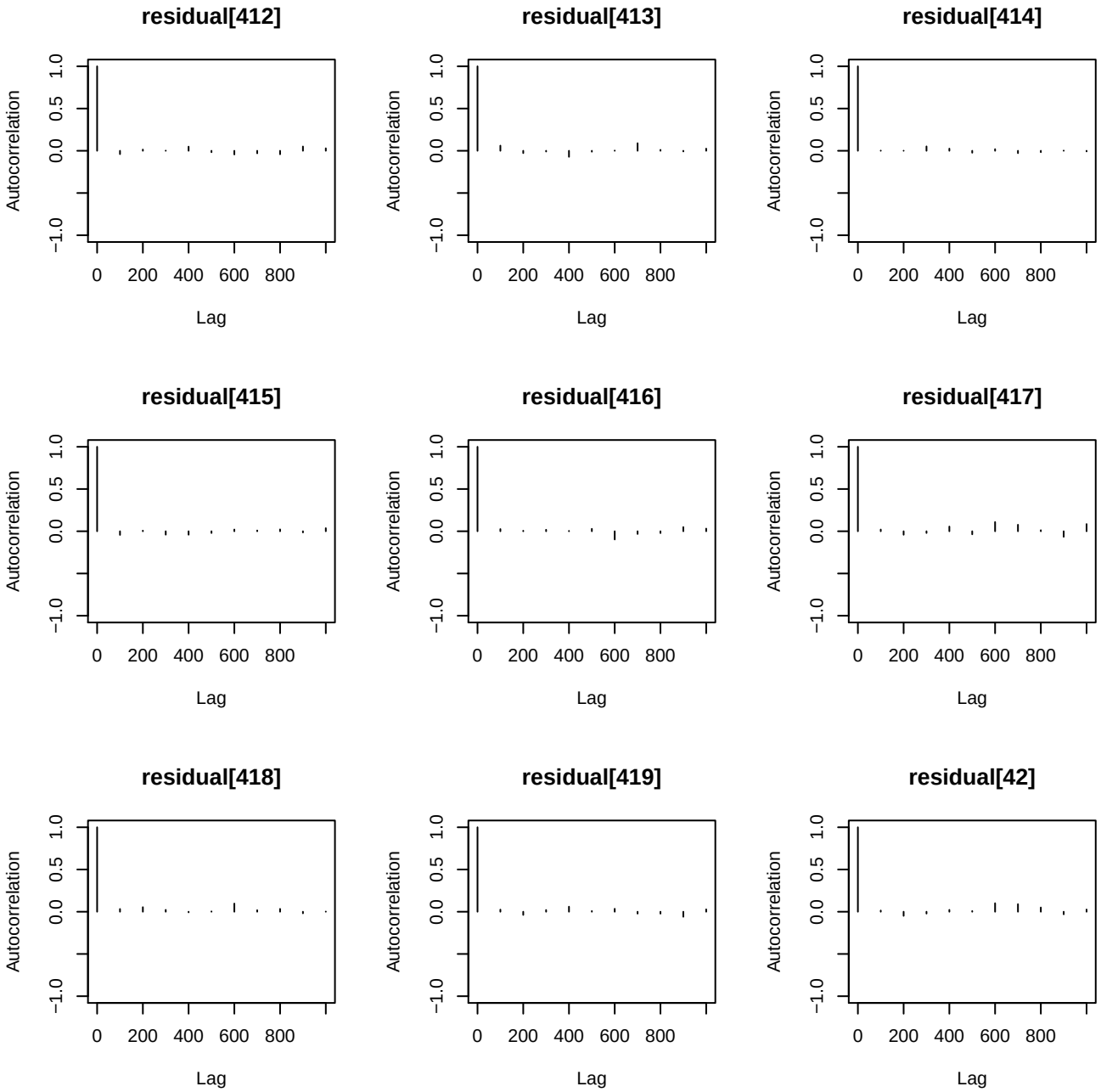
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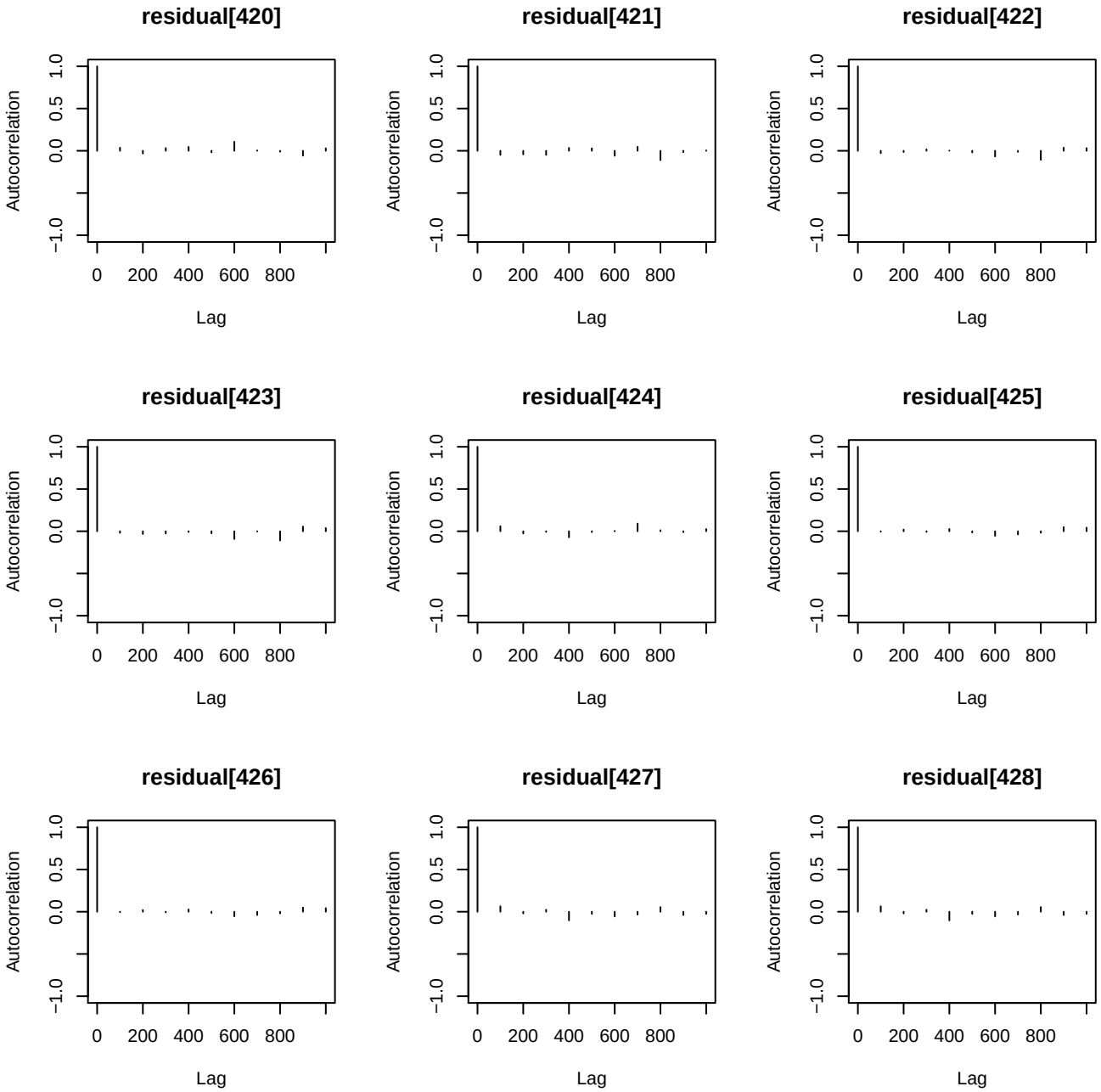
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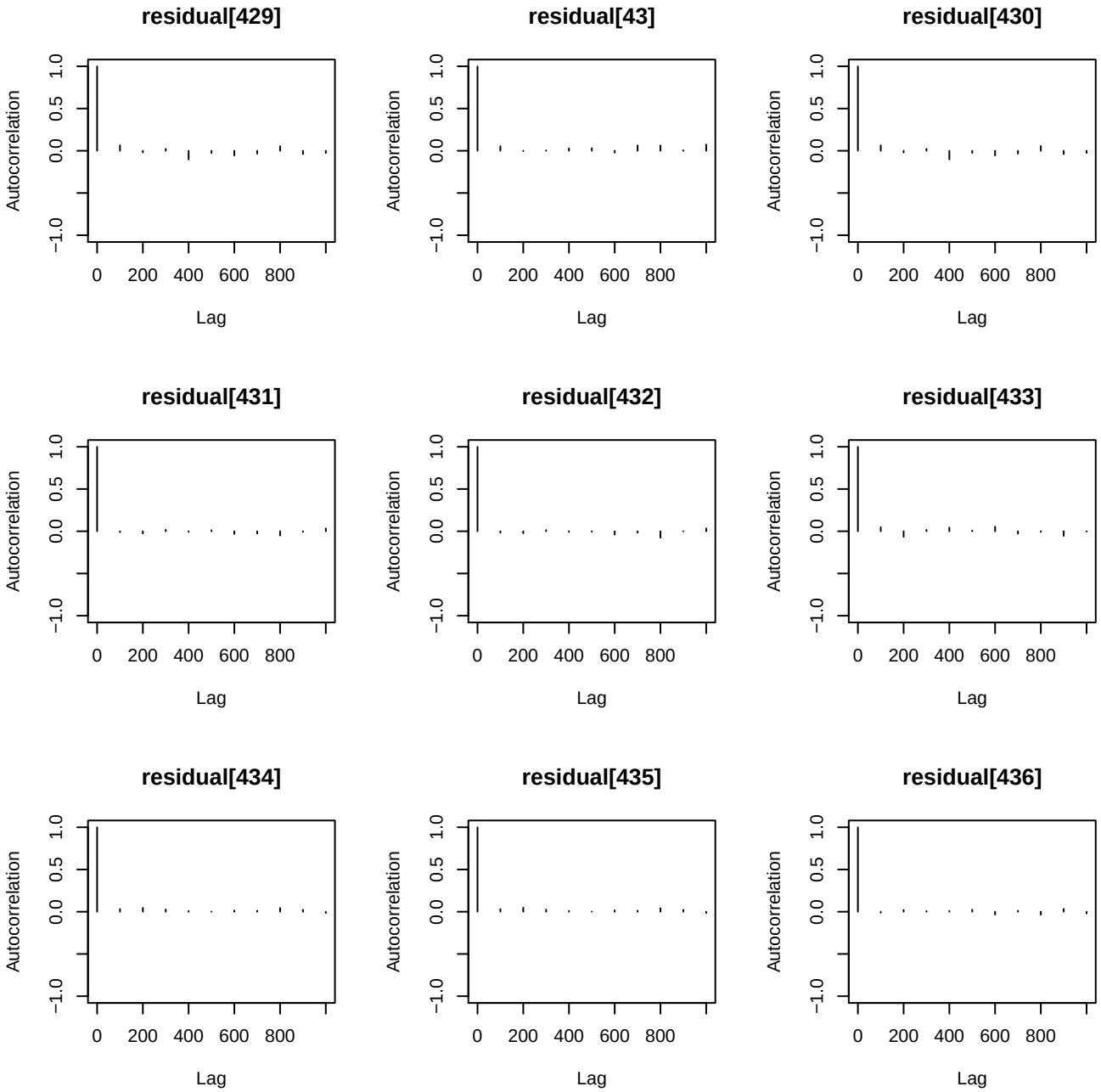
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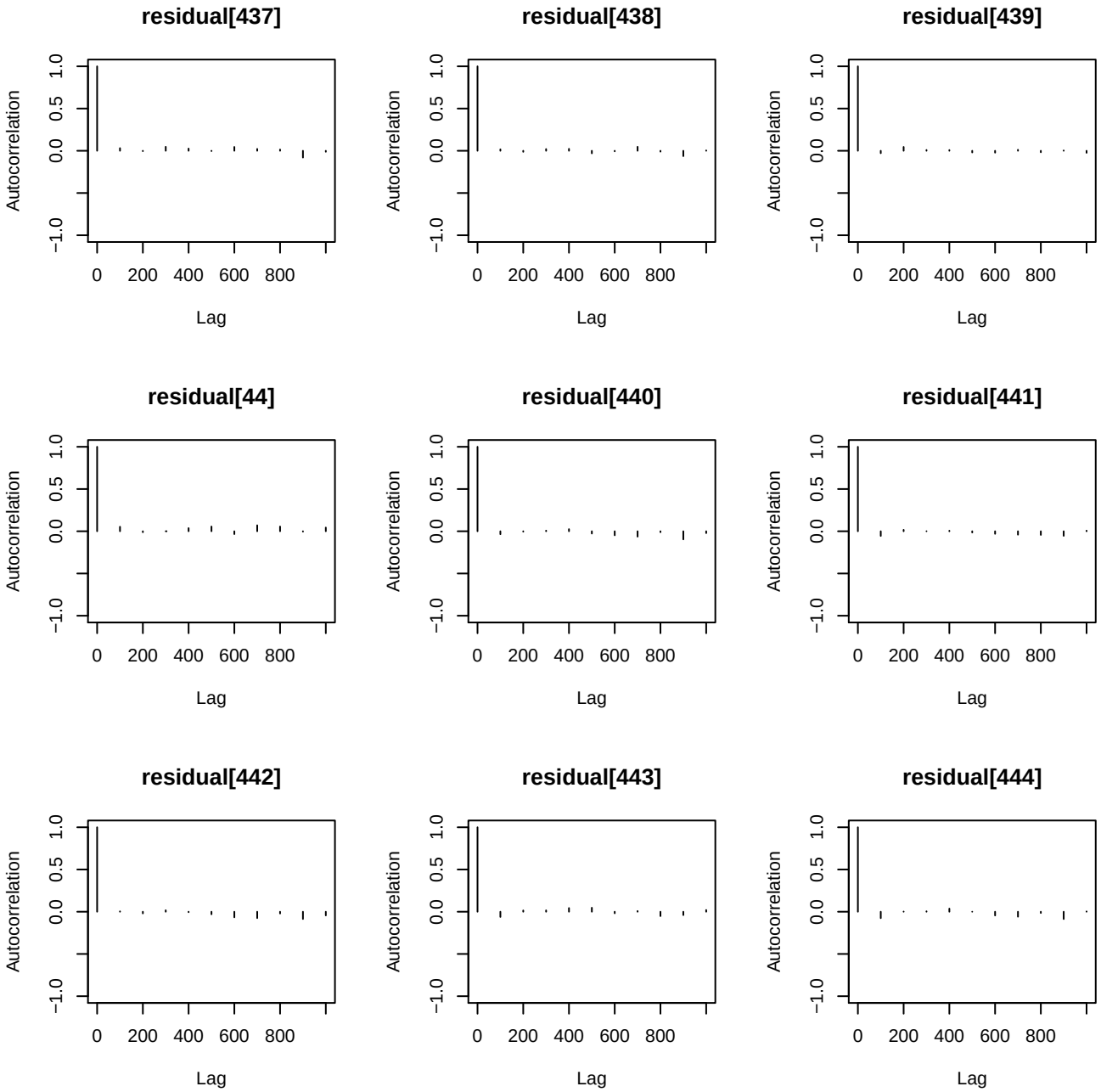
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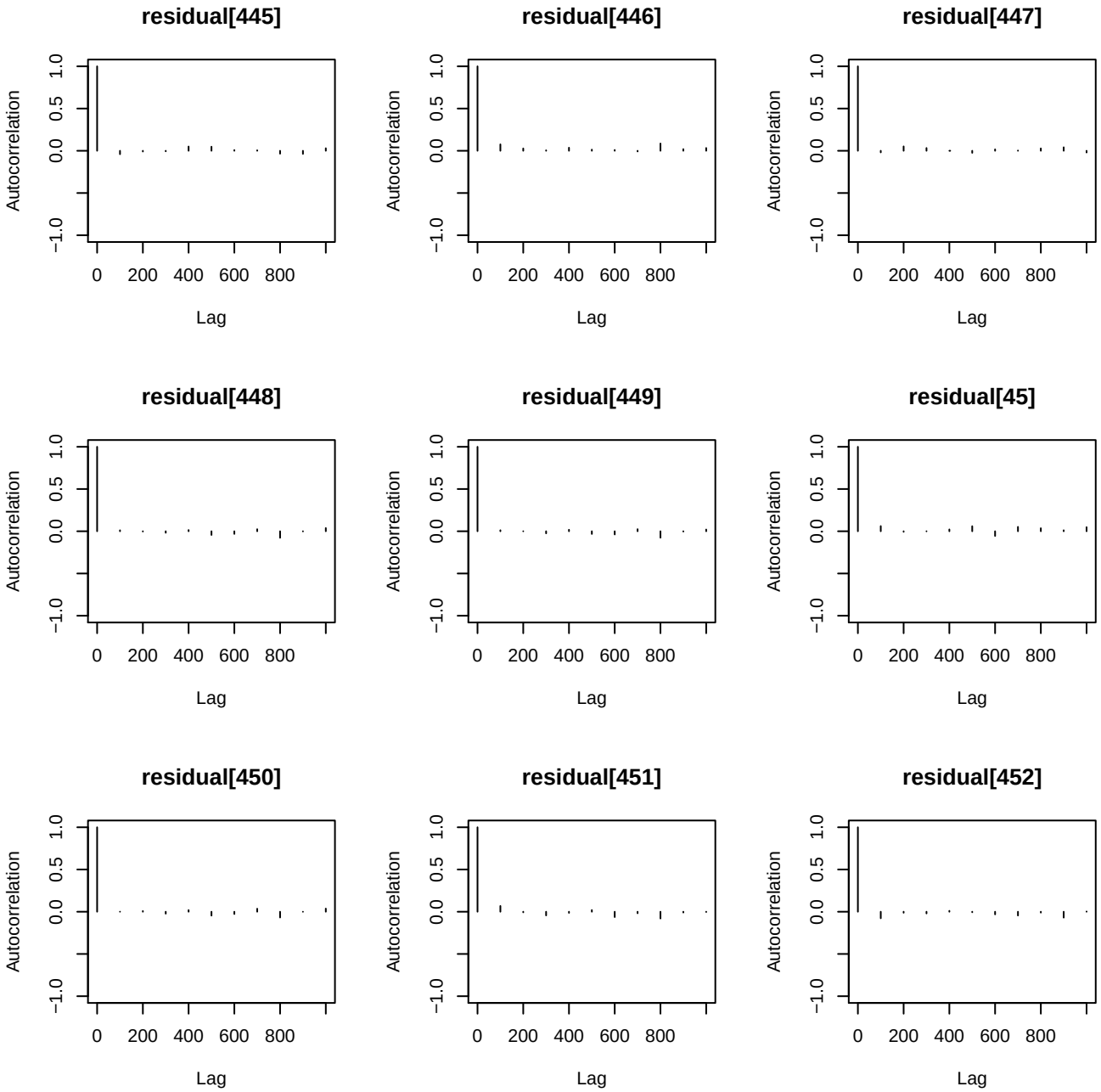
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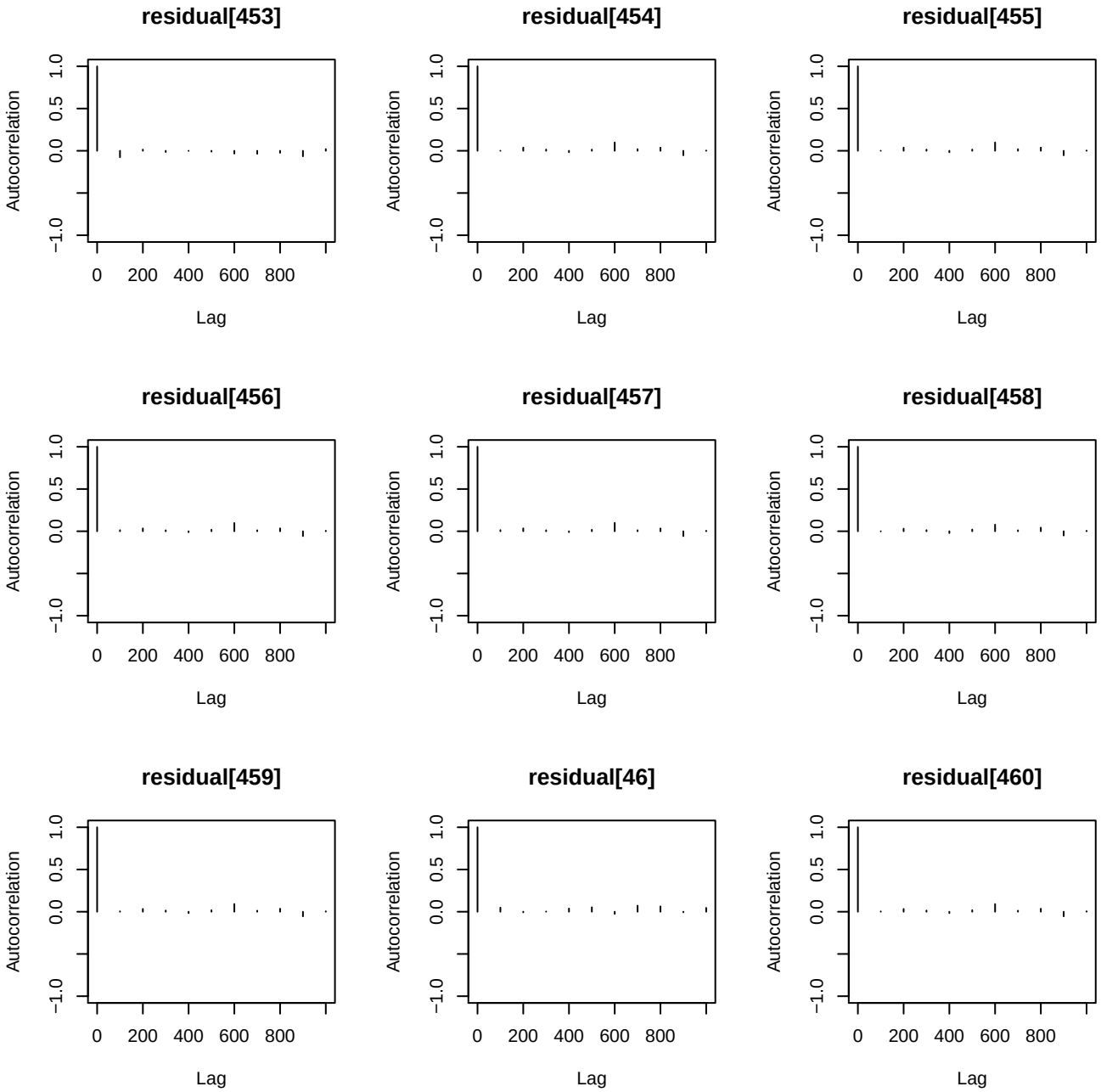
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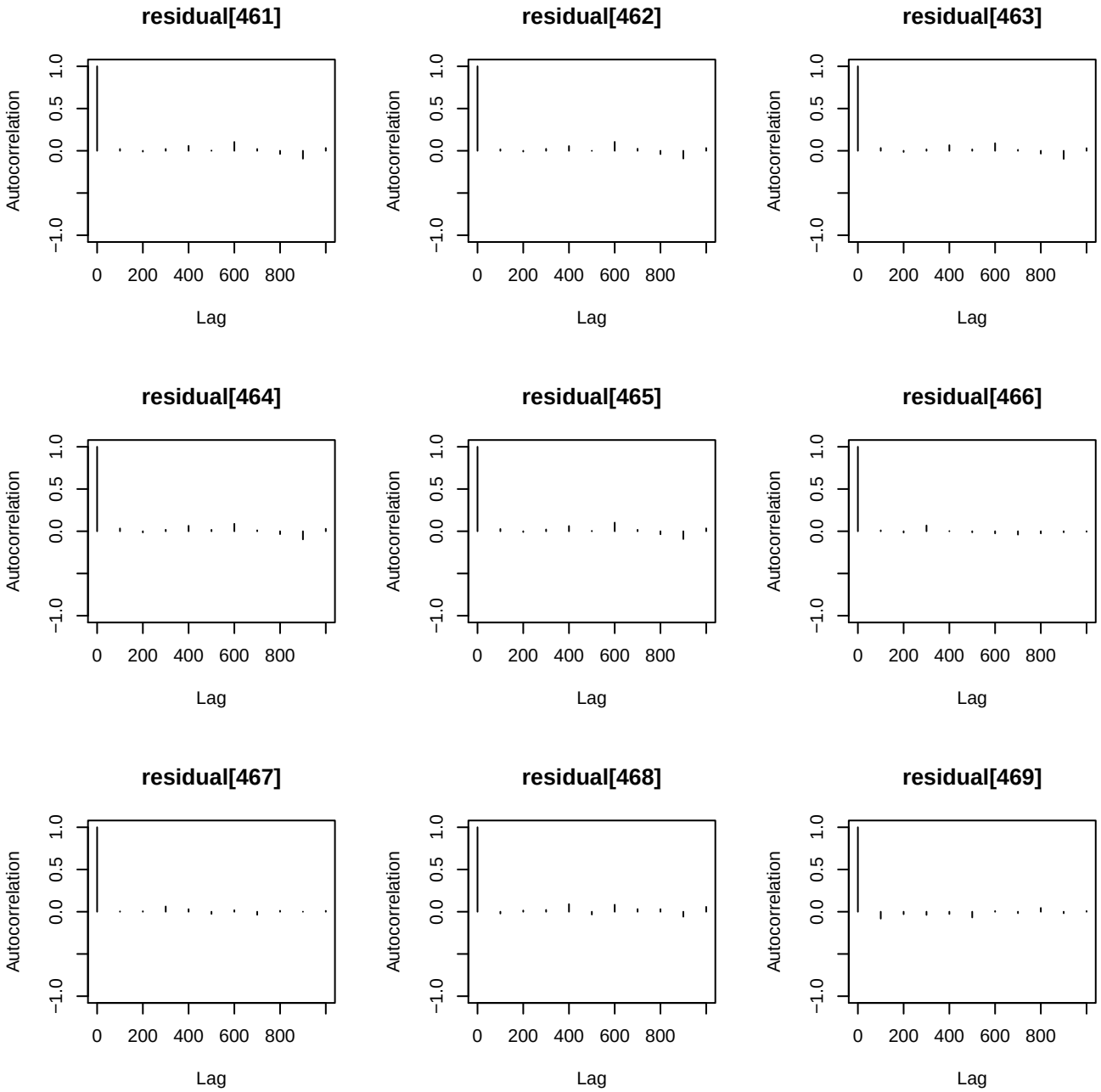
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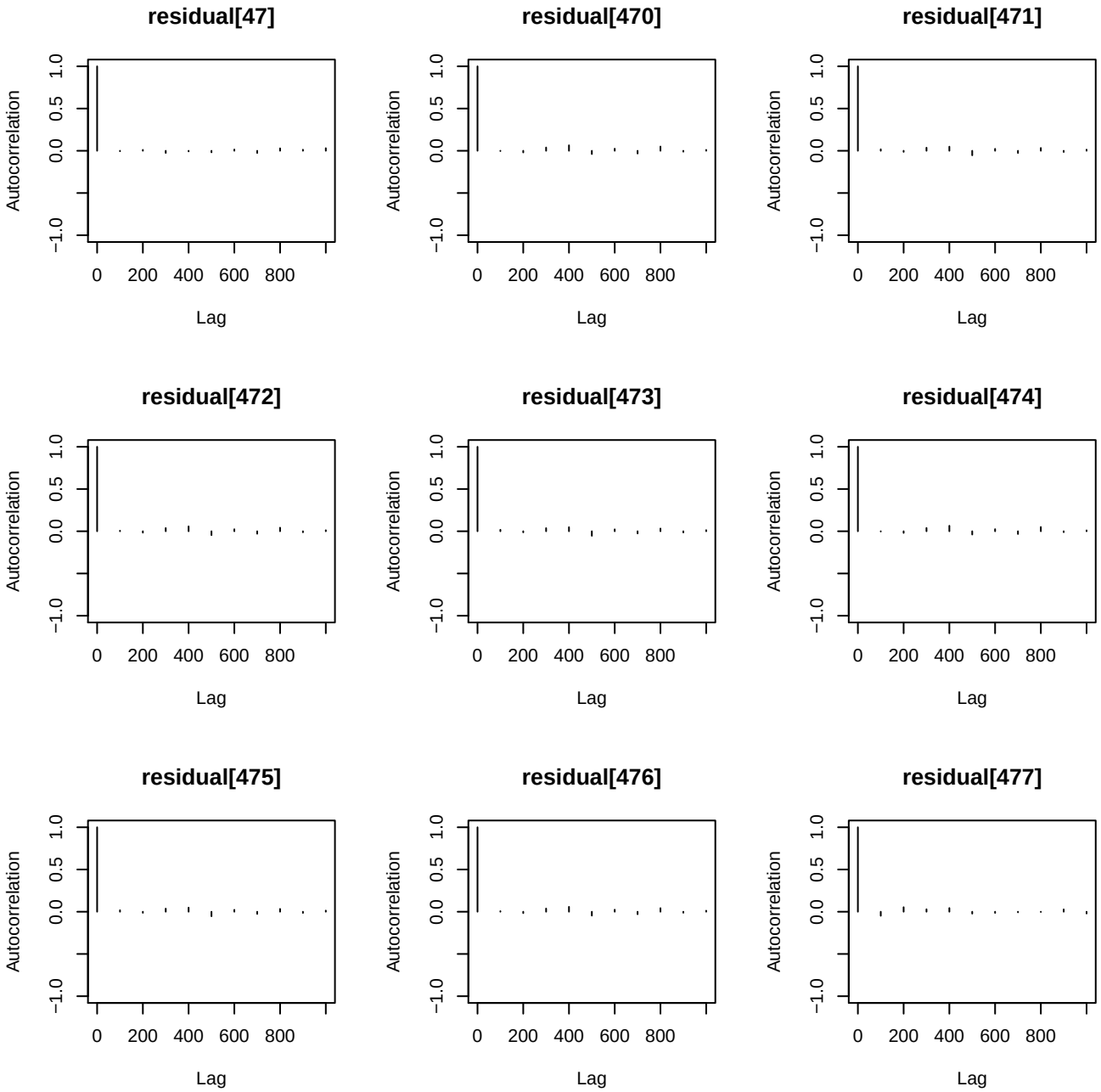
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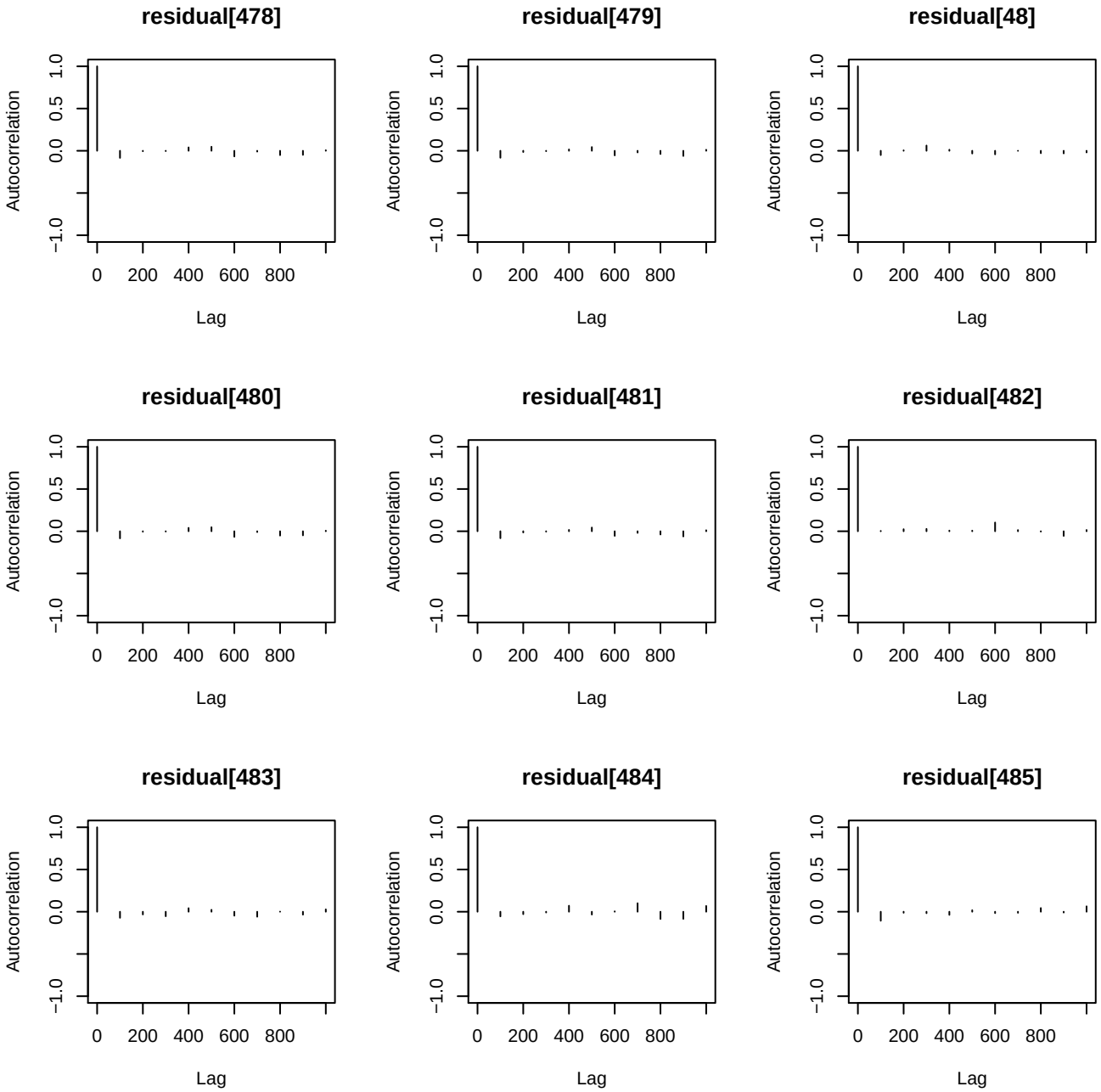
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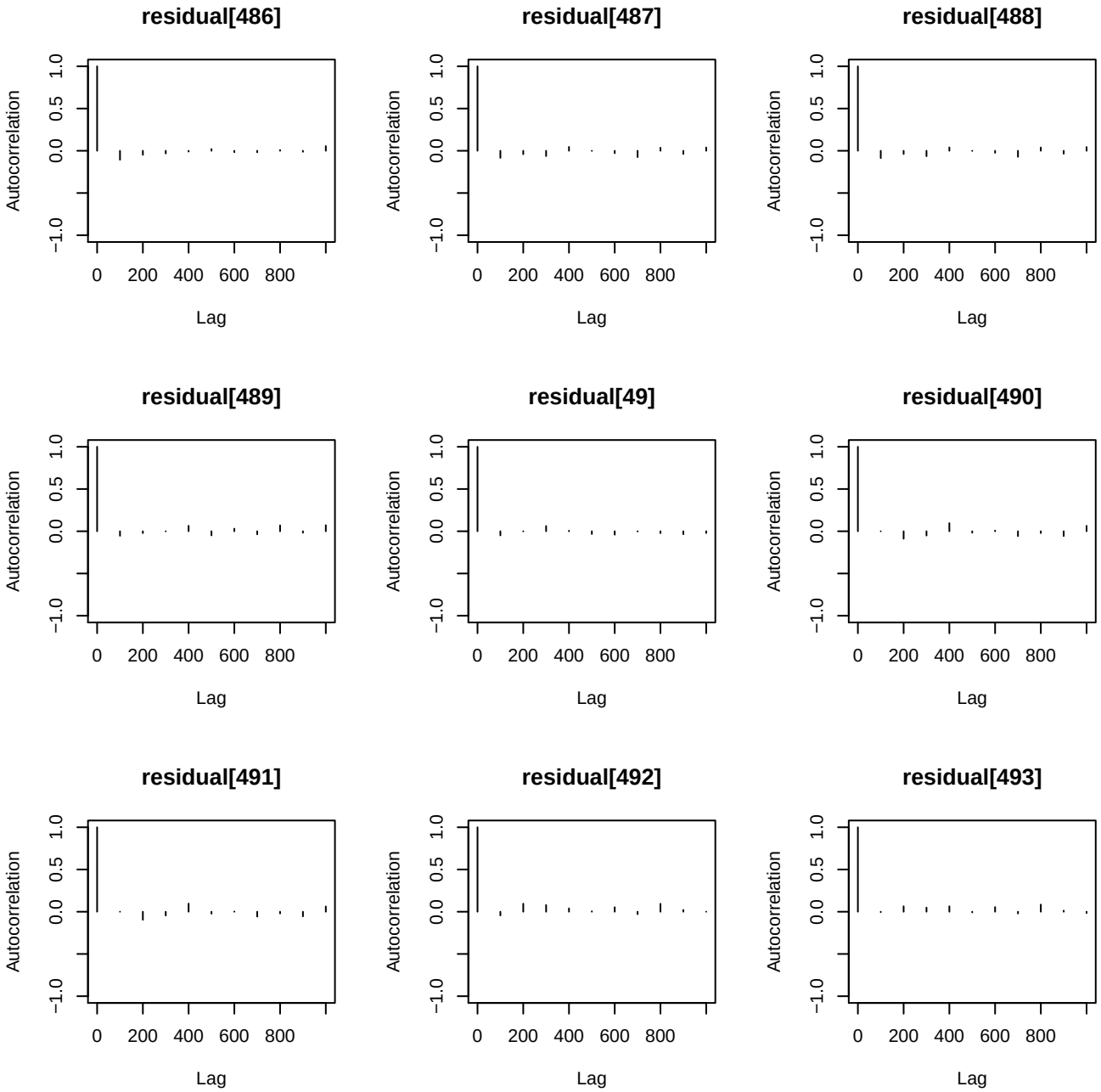
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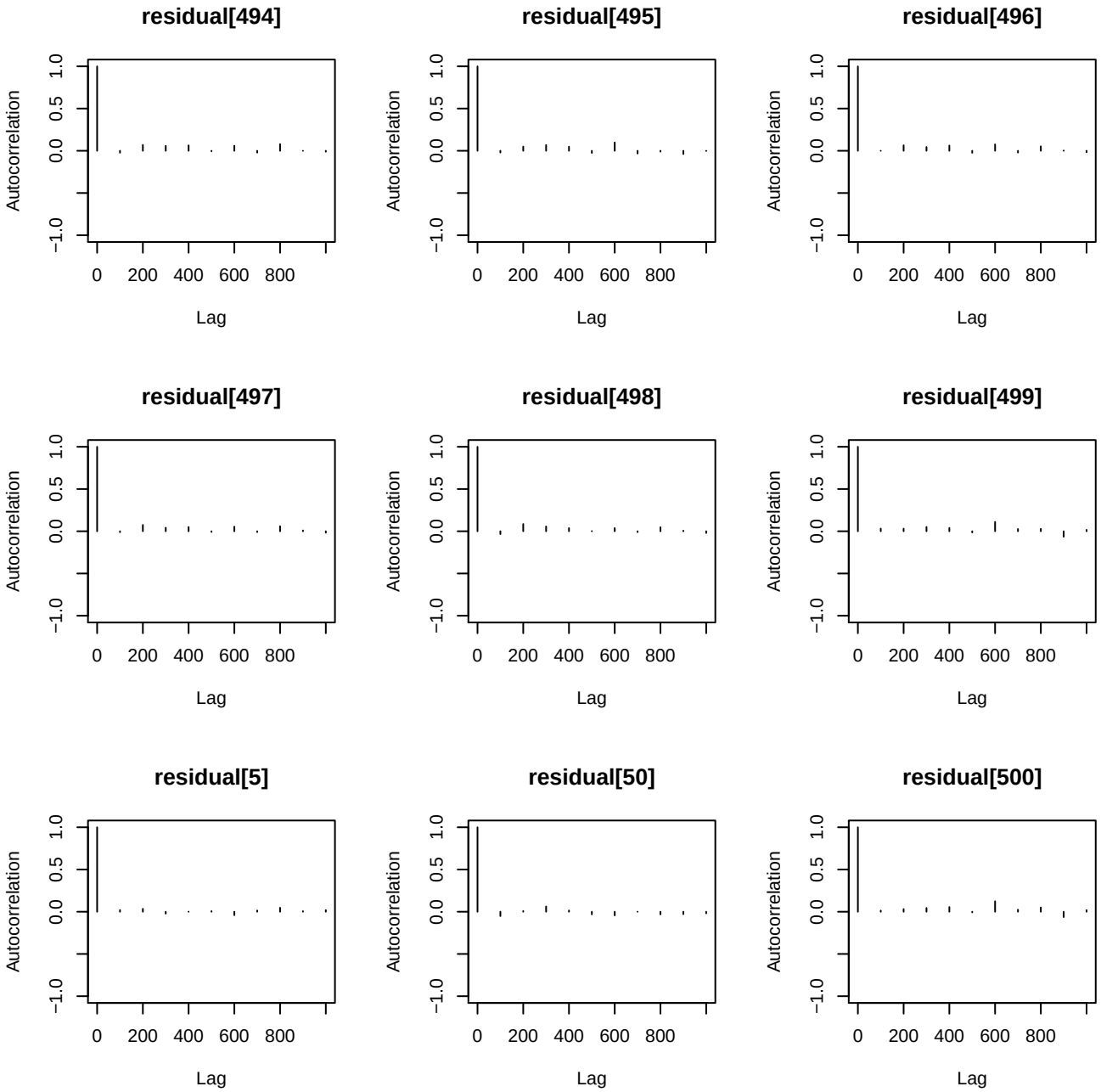
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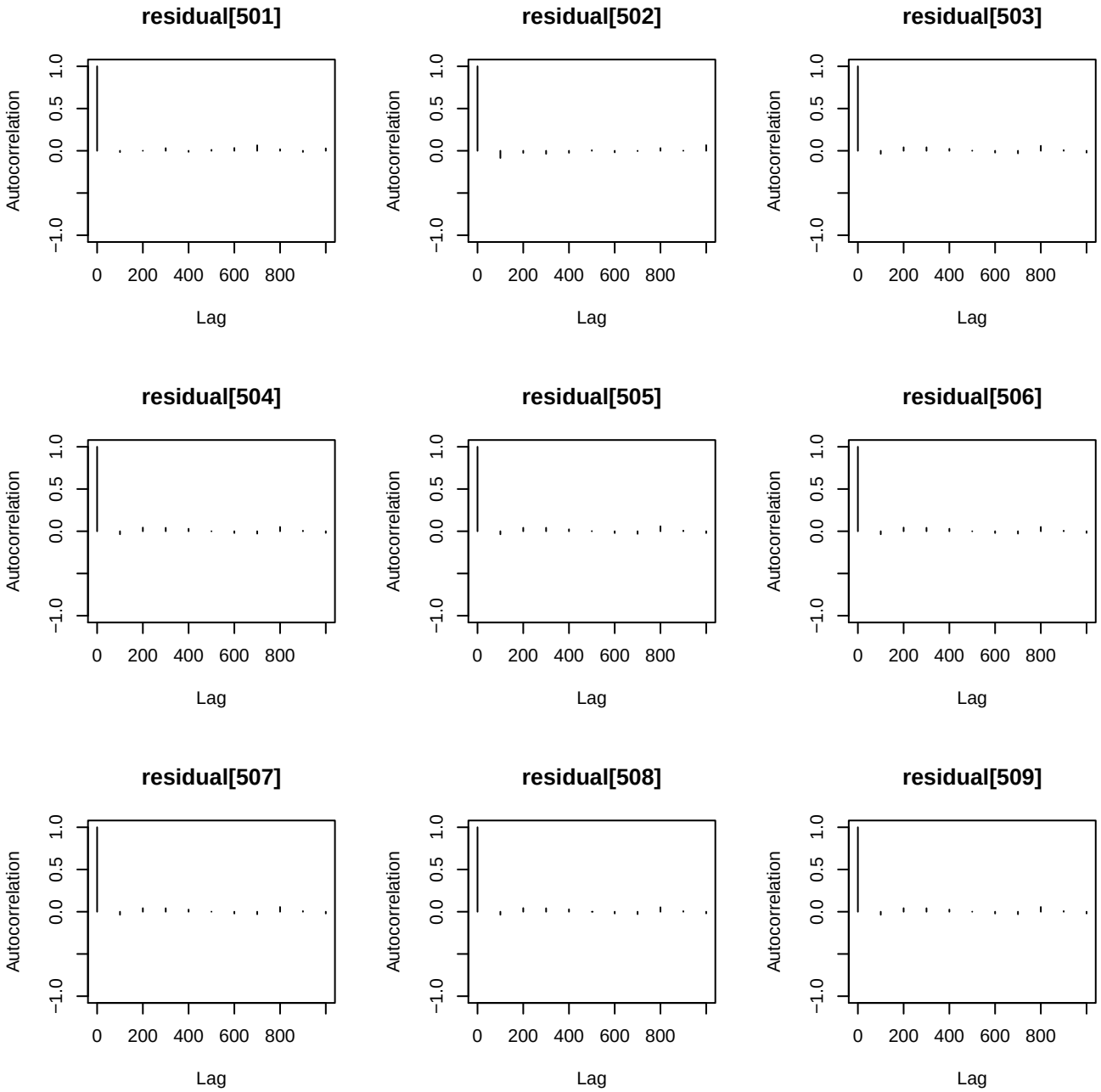
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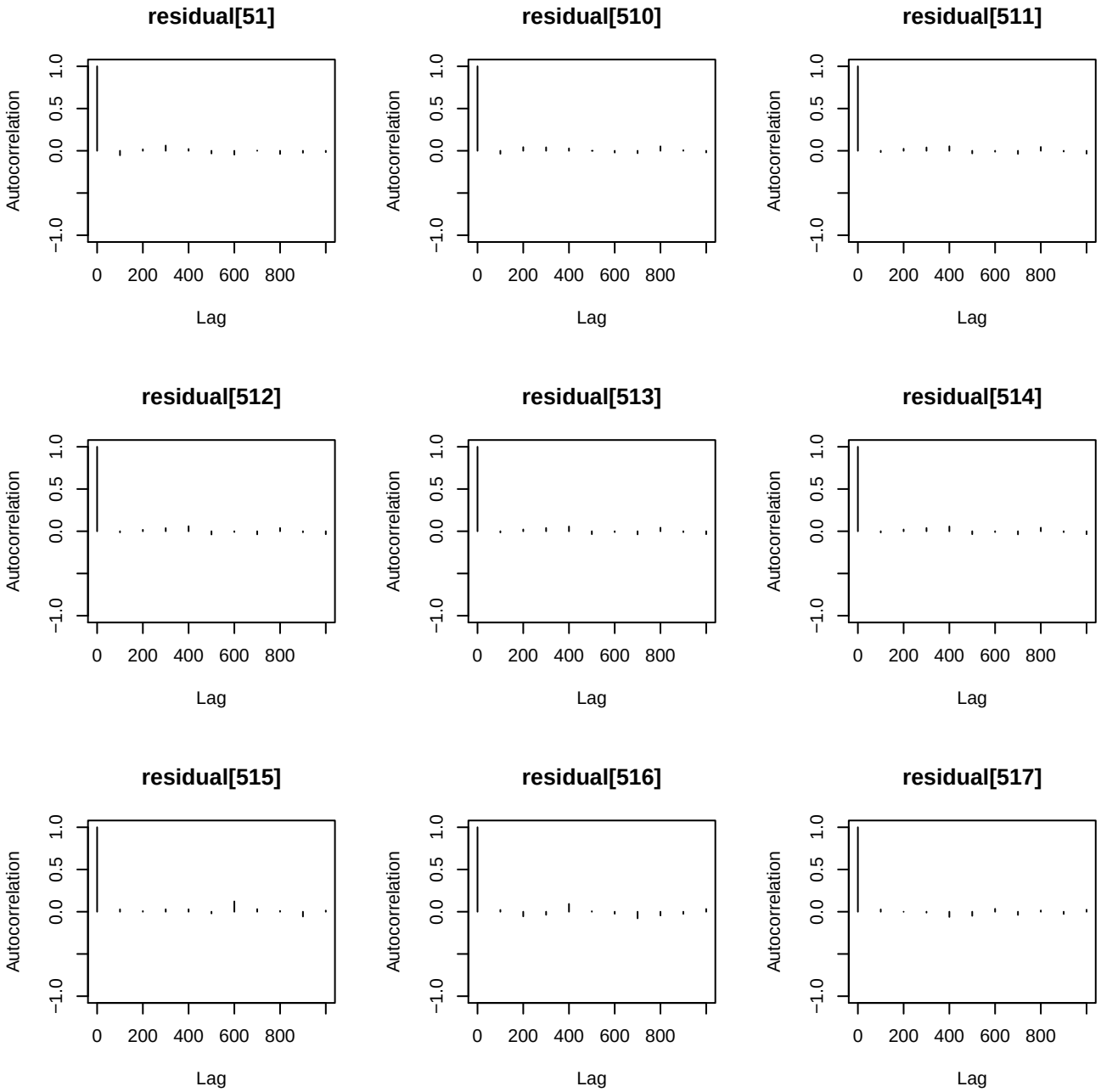
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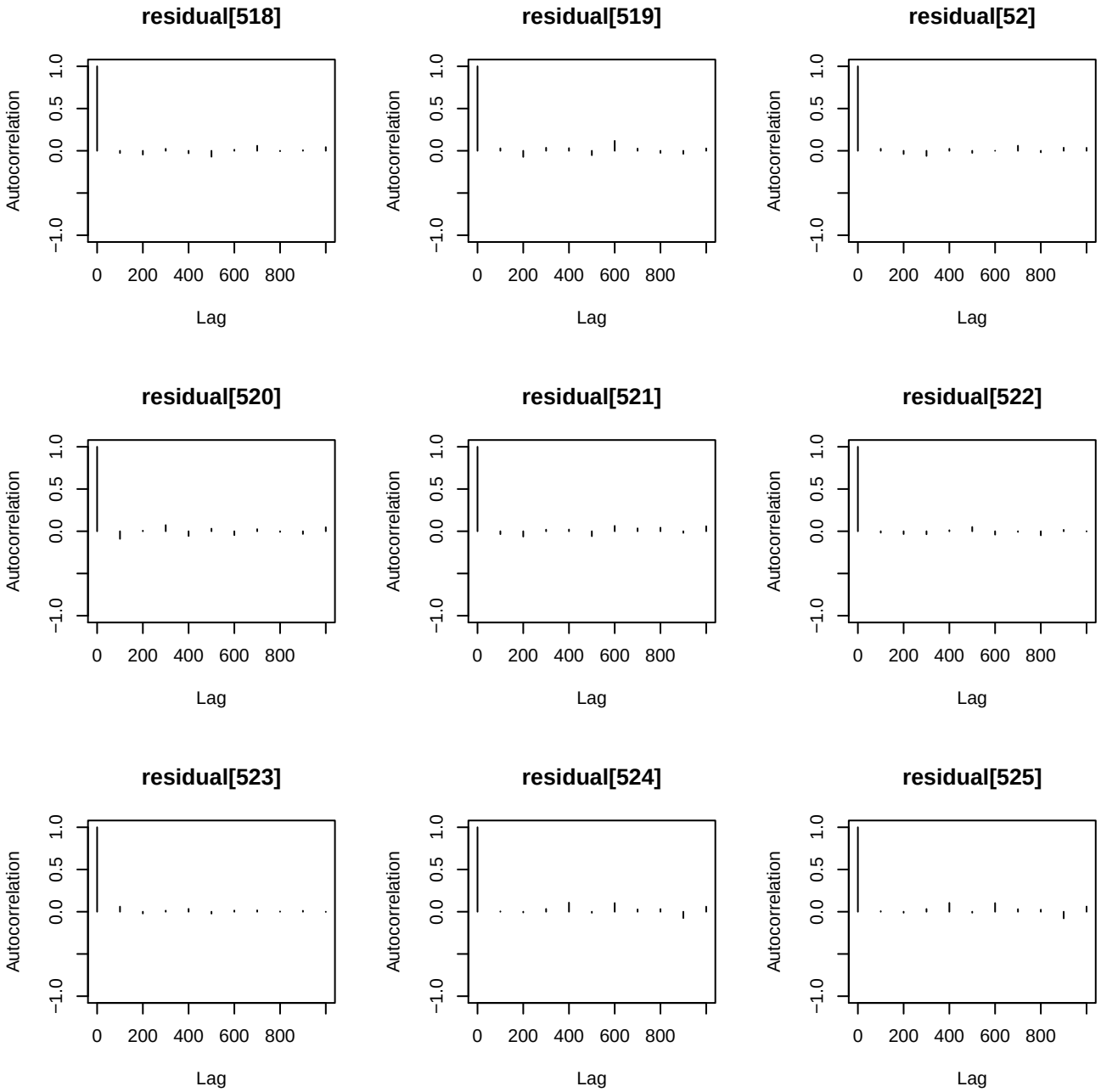
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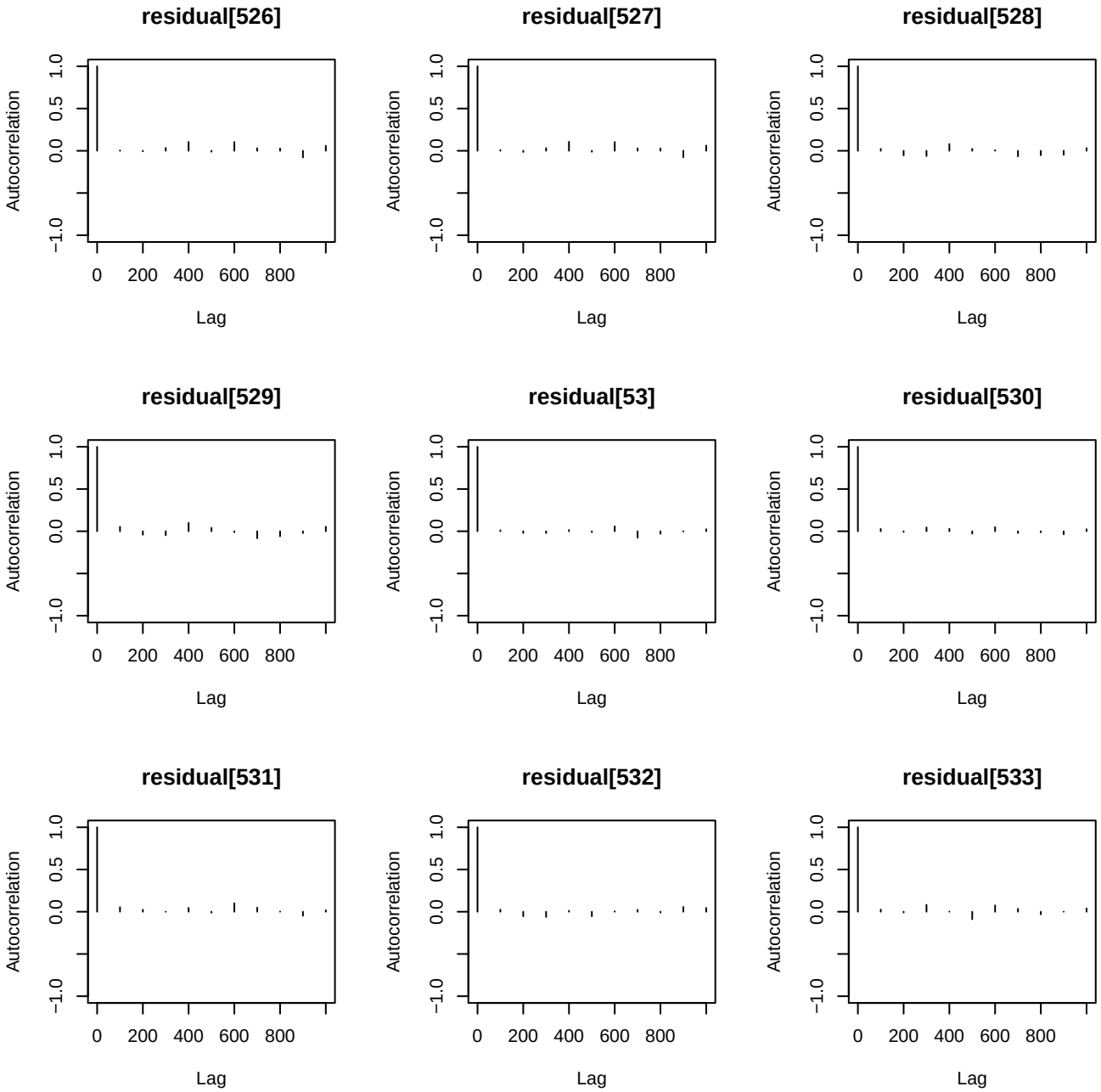
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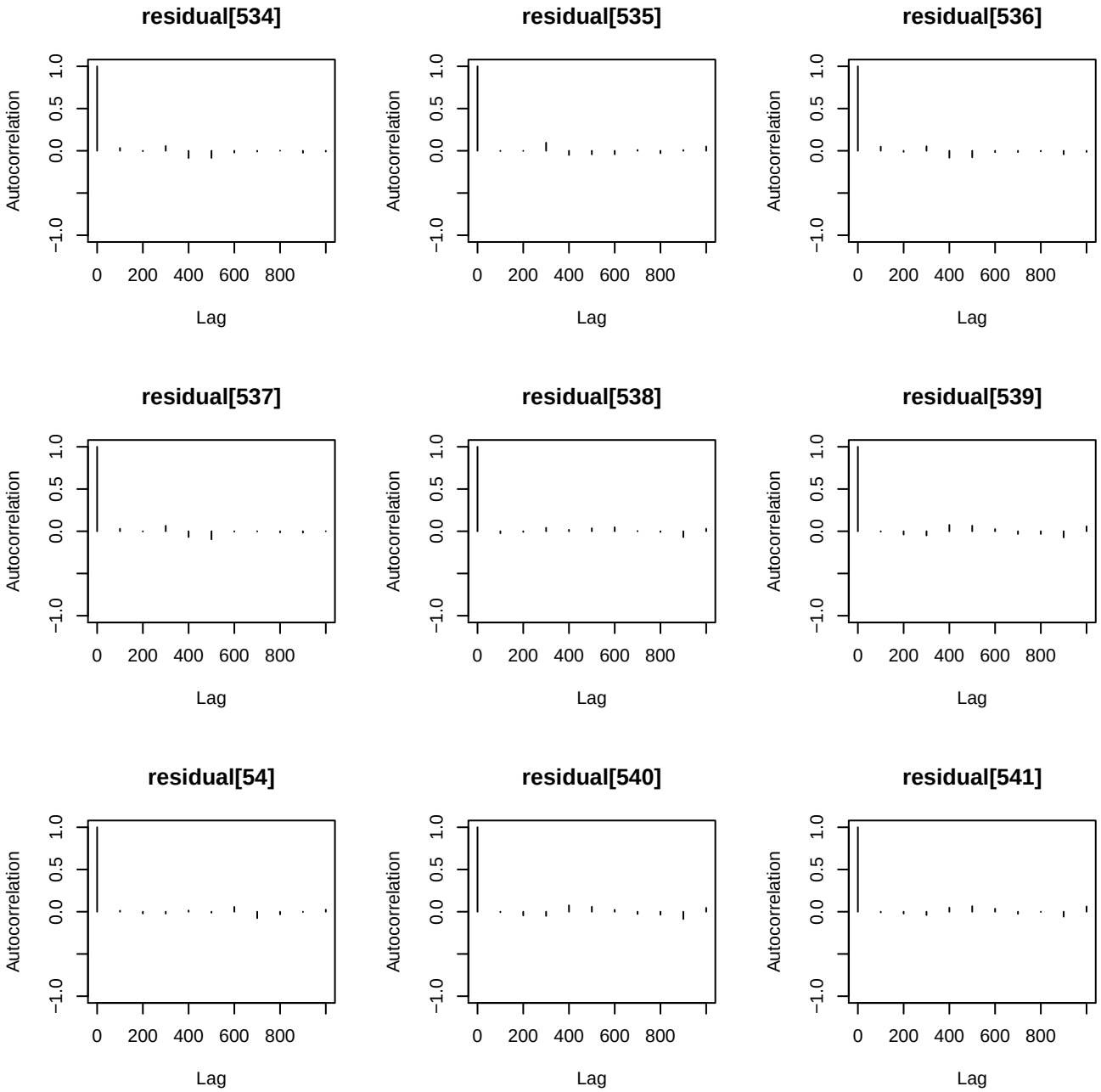
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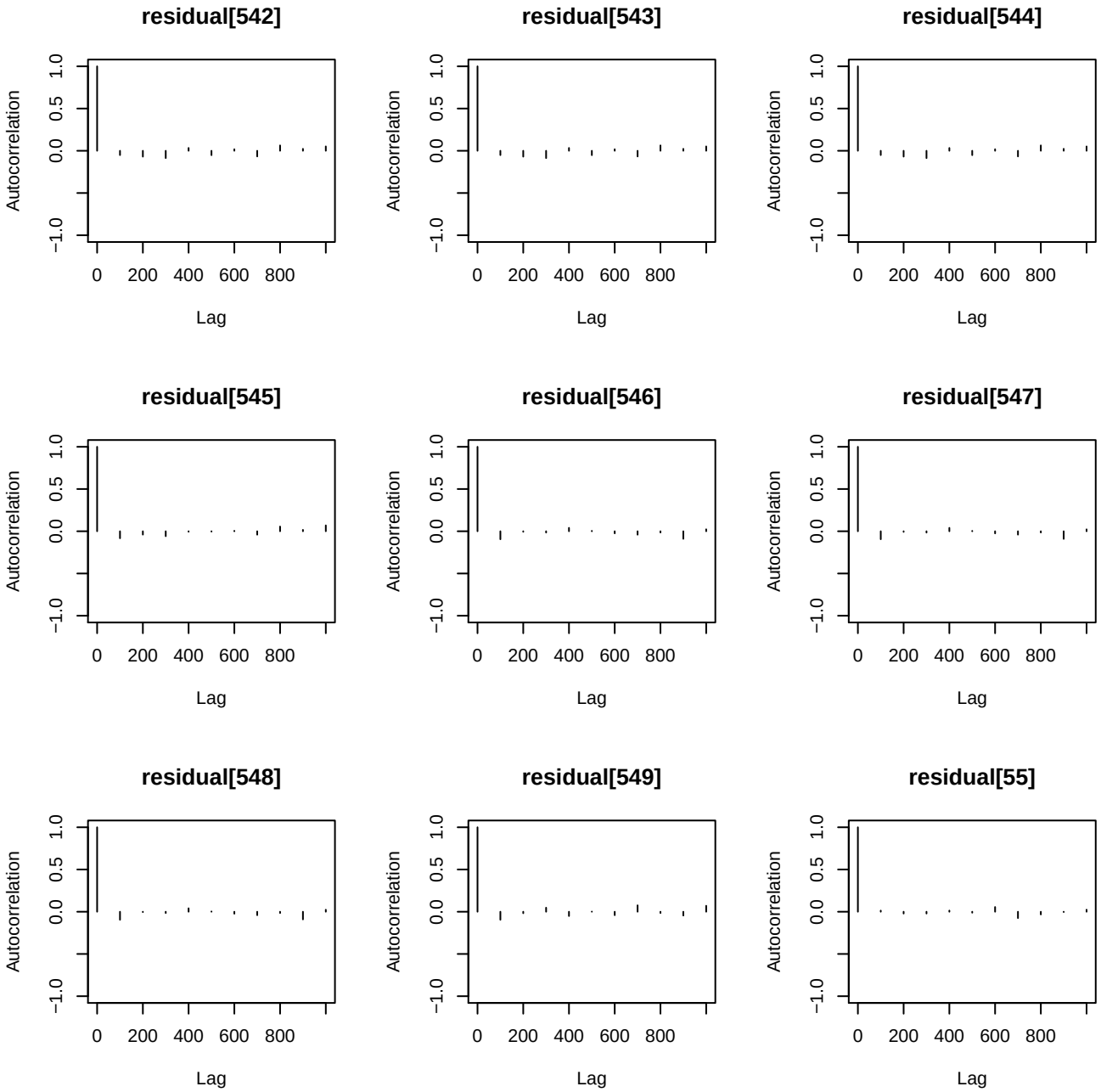
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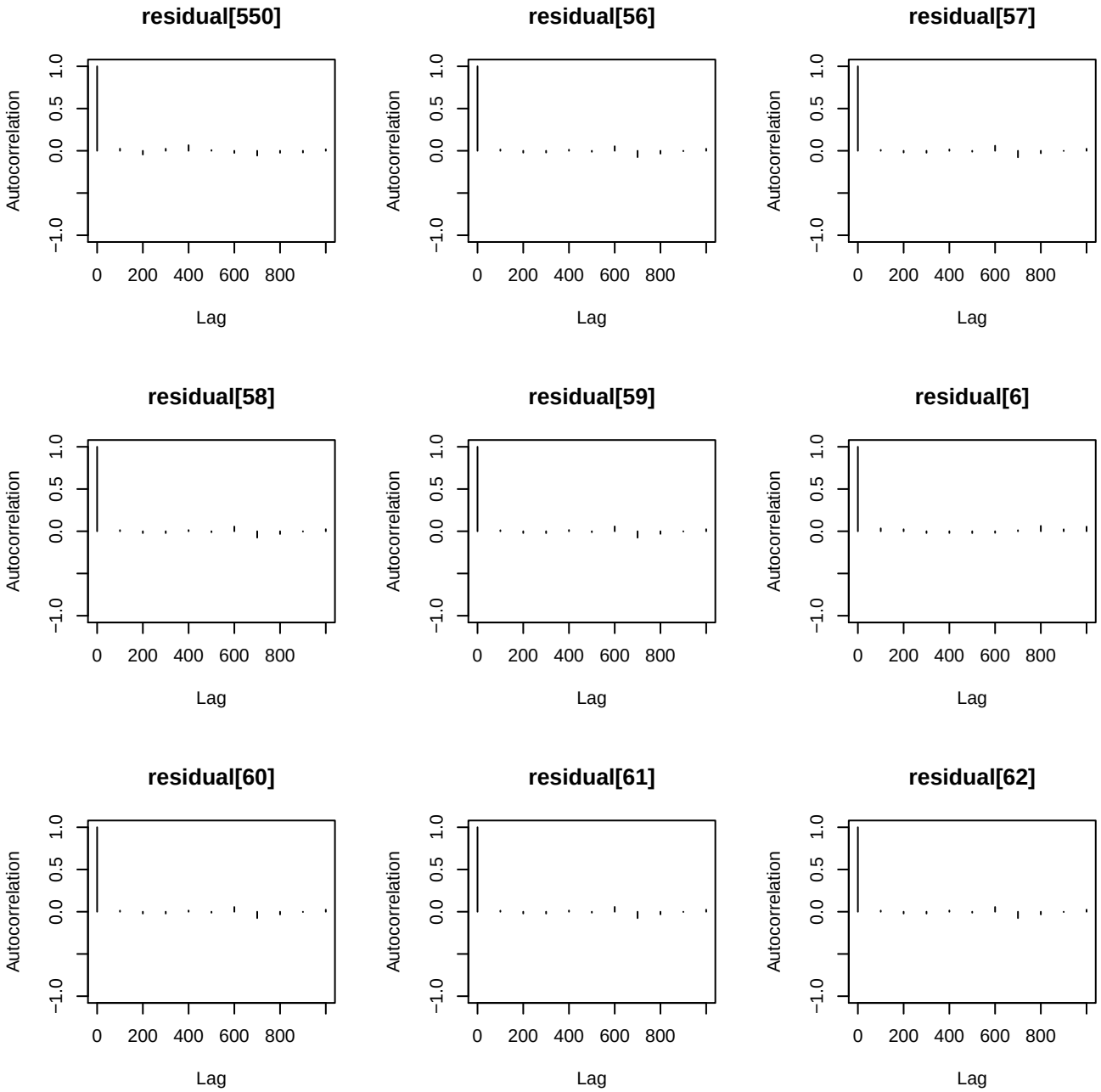
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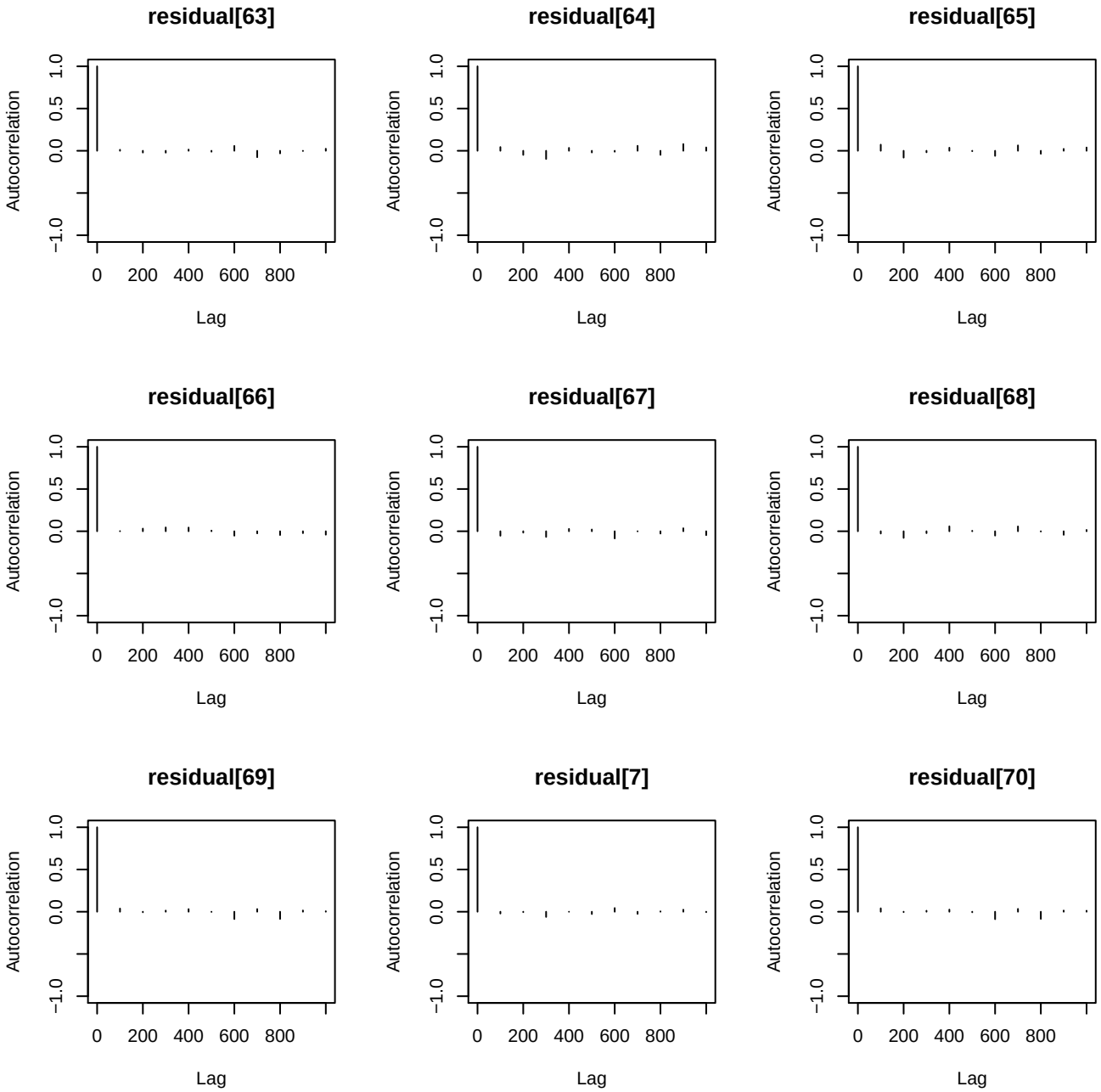
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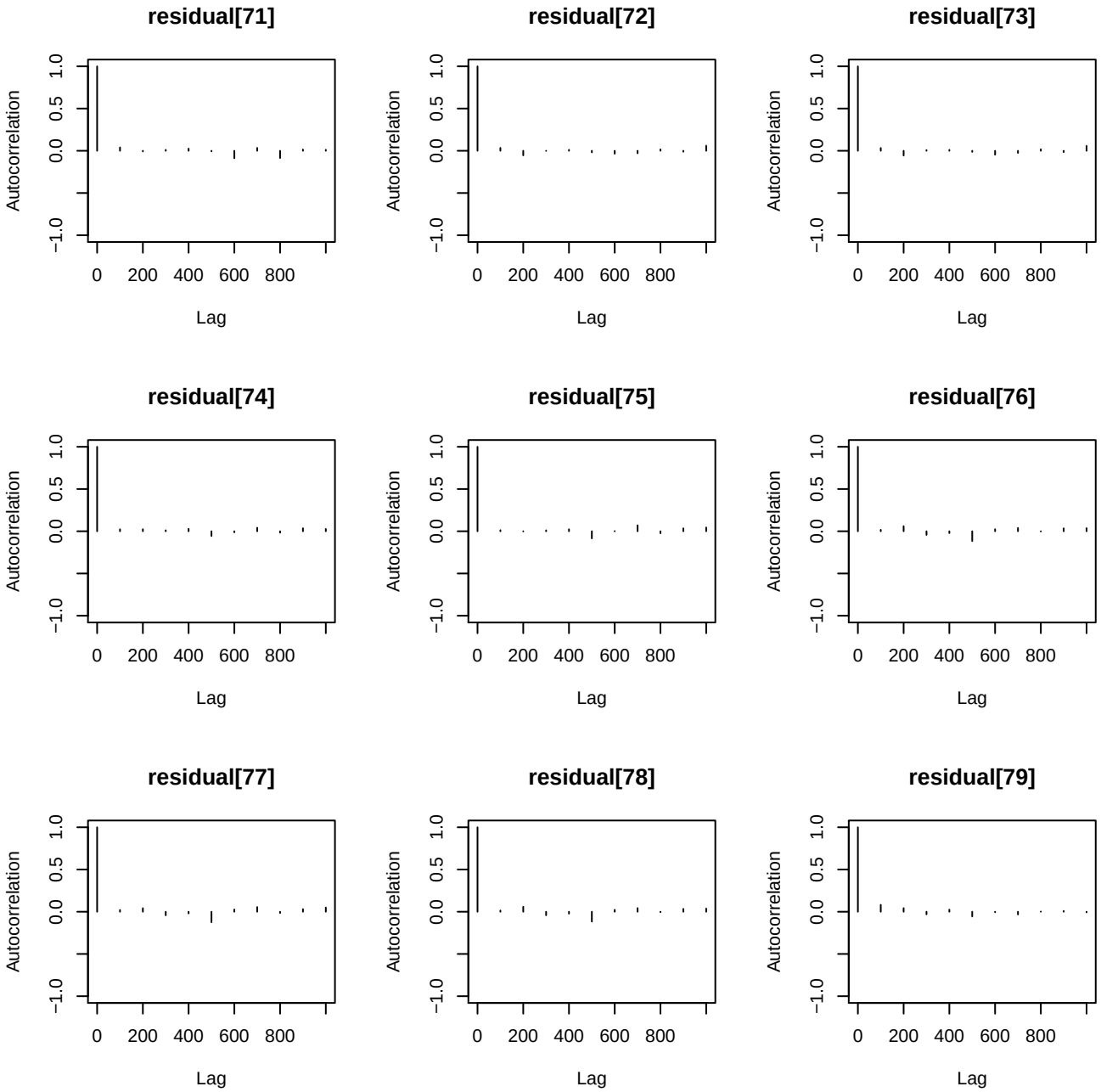
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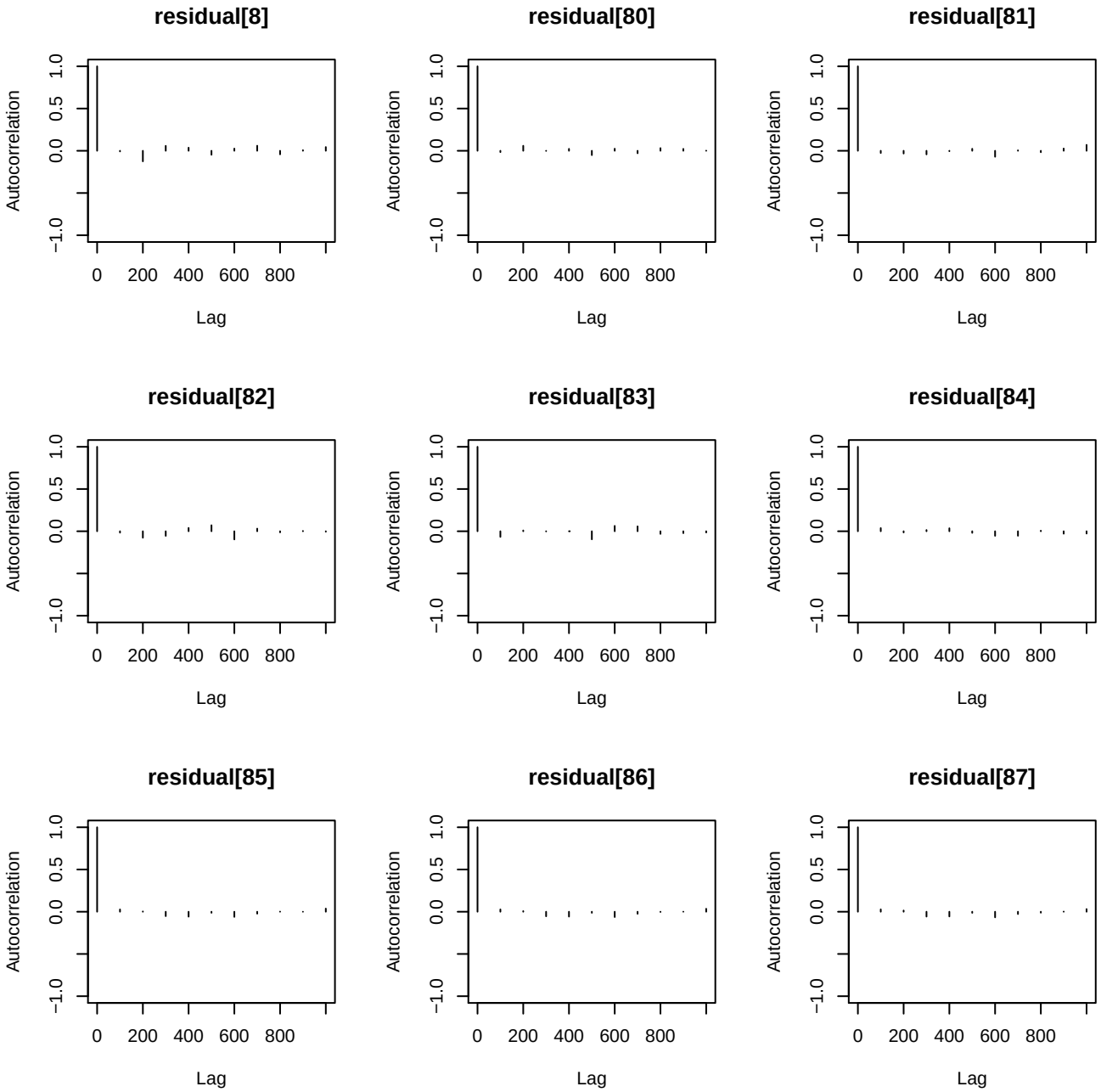
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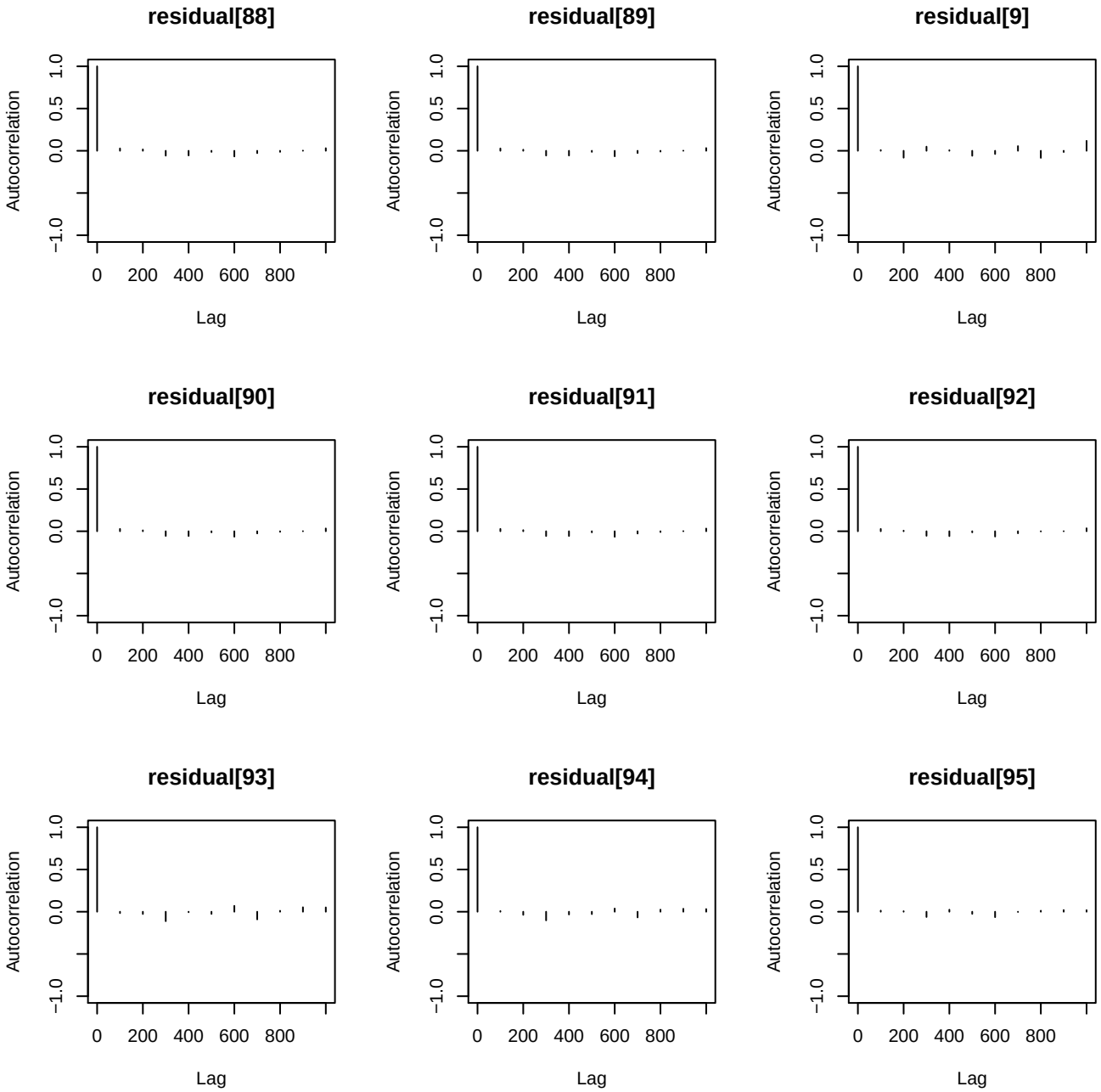
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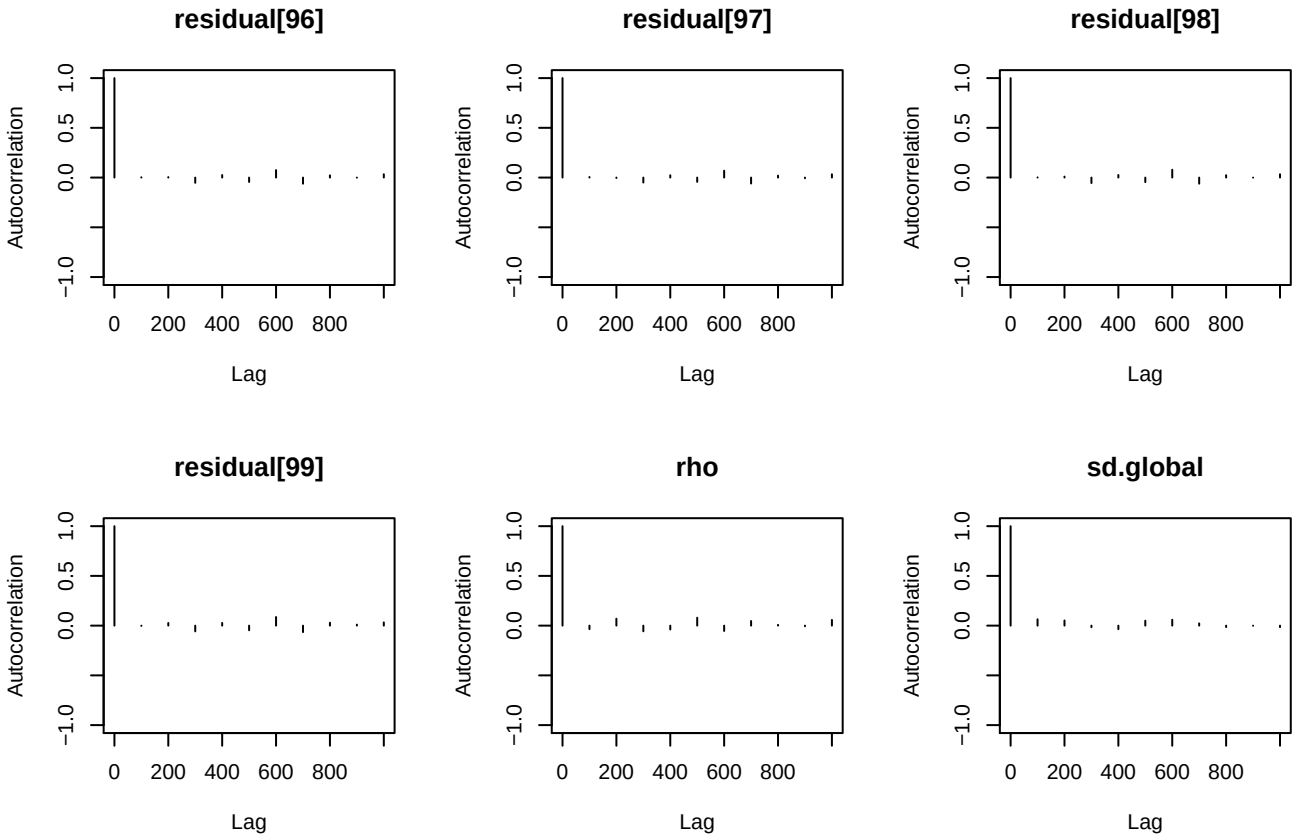
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